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NOTE:

The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for contacting all utility companies for field location of all underground utility lines prior to any excavation and for making his own verification as to the type and location of underground utilities as ma be necessary to avoid damage thereto.

LEGEND

- ROCK EXCAVATION
COMMON EXCAVATION
SIDEWALK CONSTRUCTION (4")
SIDEWALK/DRIVEWAY CONSTRUCTION (6")
CURB AND GUTTER COMBINED
RETAINING WALL
DETECTABLE WARNING SURFACE
EXISTING FIRE HYDRANT
EXISTING WATER VALVE
EXISTING TELEPHONE PEDESTAL
EXISTING WATER METER
EXISTING STREET SIGN
EXISTING GAS METER
EXISTING MAILBOX
EXISTING TREE
EXISTING BUSH
EXISTING SANITARY SEWER MANHOLE
EXISTING POWER POLE
EXISTING OVERHEAD ELECTRIC
EXISTING UNDERGROUND TELEPHONE
EXISTING FIBER OPTIC
EXISTING UNDERGROUND GAS
EXISTING CITY WATER LINE
SURVEY BENCHMARK
SURVEY CONTROL POINT

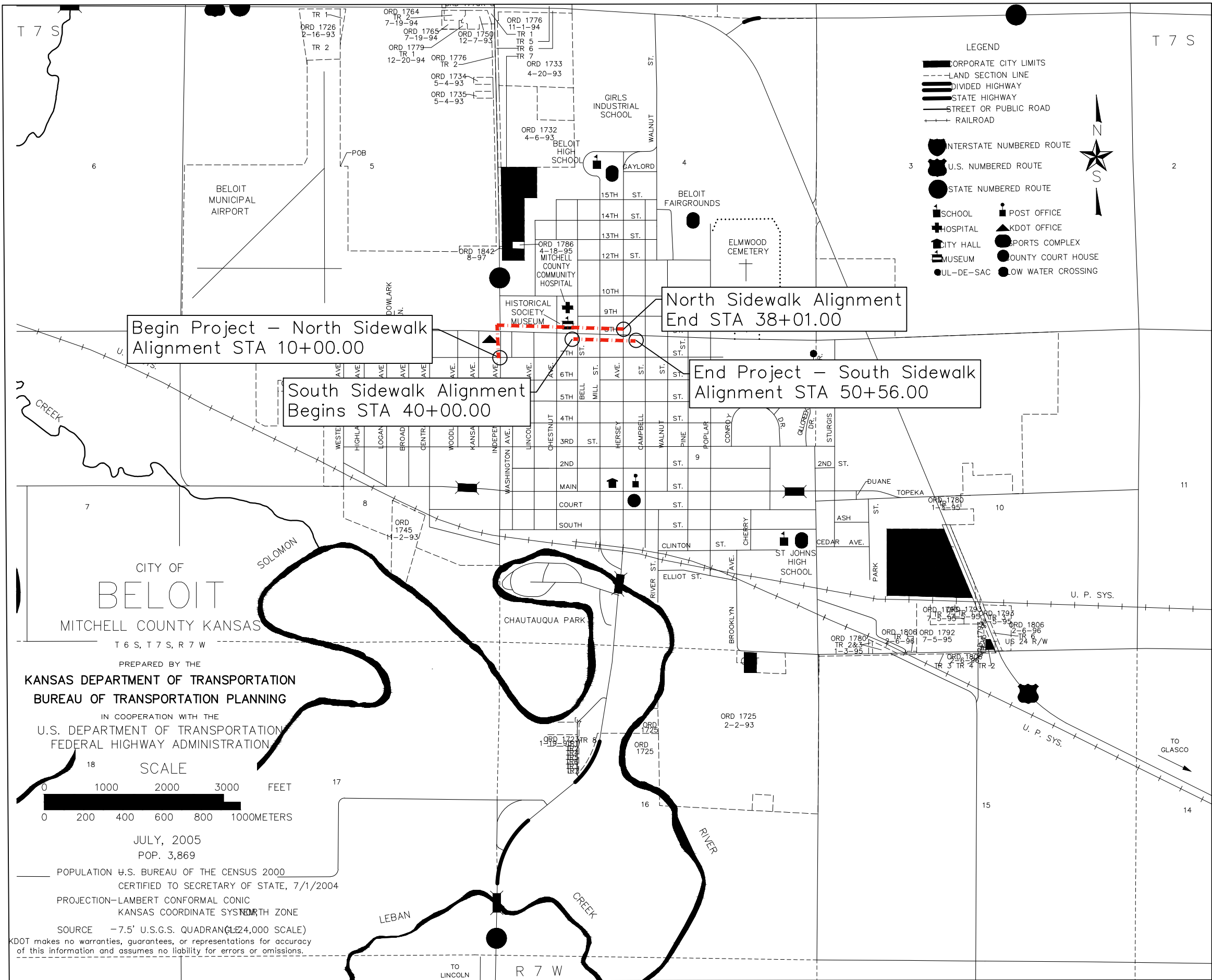
DESIGN DESIGNATION

- Independence and 8th = Residential Street
Functional Classification = Pedestrian Sidewalk
Design Criteria = Pedestrian Facilities and the Americans with Disabilities Act
Sidewalk Width = 5 FT, varies at tie-in sections
Grade = Match Roadway
Curb Ramps = PROWAG (Draft 2011)

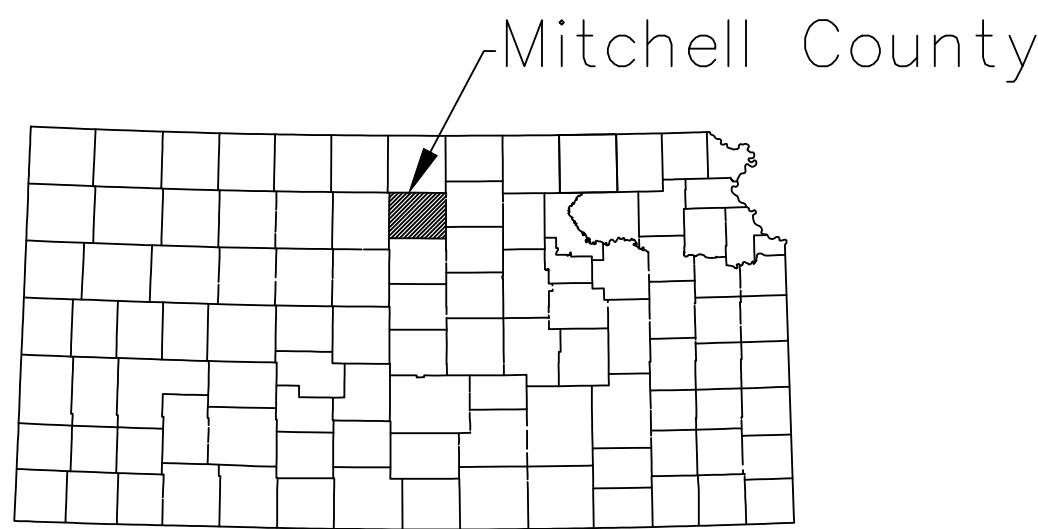
STATE OF KANSAS
DEPARTMENT OF TRANSPORTATION
DEMOLITION AND CONSTRUCTION PLANS

62 U-2330-03

MITCHELL COUNTY
FEDERAL AID PROJECT
CITY OF BELOIT
SAFE ROUTES TO SCHOOL 2D



LOCATION MAP



LOCATION MAP
ENTIRE PROJECT IN: T7S, R7W, S4,8,9

GROSS LENGTH OF PROJECT	2825	FT.		
EXCEPTIONS	0	FT.		
ADDITIONS	0	FT.		
NET LENGTH OF PROJECT	2825	FT.	0.53	MILES
NET LENGTH OF BRIDGES	0	FT.	0	MILES
NET LENGTH OF ROAD	0	FT.	0	MILES

GRADING
CONCRETE SIDEWALK
SEEDING

NOTE: Traffic to be carried through construction.

OWNER CONTACT INFORMATION

City of Beloit, Kansas
Jason Rabe, City Administrator
Beloit City Hall
119 N Hersey
P.O. Box 567
Beloit, KS 67420
Telephone: (785) 738-3551

UTILITY & EMERGENCY CONTACT INFORMATION

POLICE	9-1-1 Non-Emergency: (785) 738-2203 Beloit Police Department	ELECTRIC	CITY OF BELOIT Steve Krier 502 E 12th Street Beloit, KS 67420 (785) 738-7468
FIRE	9-1-1 Non-Emergency: (785) 738-5088 Beloit Fire Department	TELEPHONE	AT&T Patti Krebaum 101 E 2nd Room 211 Hutchinson, KS 67501 (620) 665-1939
AMBULANCE	9-1-1 Non-Emergency: (785) 738-6437 Mitchell County EMS	WATER	CITY OF BELOIT Jim Bentz 502 E 12th Street Beloit, KS 67420 (785) 738-3781
		CABLE TELEVISION	CUNNINGHAM TELEPHONE 110 W Main St. Beloit, KS 67420 (785) 534-1111
		GAS	KANSAS GAS SERVICE Brenda Collins 701 W 8th Street Beloit, KS 67420 (785) 738-9700



CIVIL ENGINEERS | LAND SURVEYORS | LANDSCAPE ARCHITECTS
1125 GARDEN WAY | MANHATTAN, KANSAS | P. 785.539.4687
101 S. Mill Street | BELOIT, KANSAS | P. 785.738.2725

RECOM. FOR APPROVAL-DATE

LOCAL PUBLIC OFFICIAL

Approved Mar 10,2022

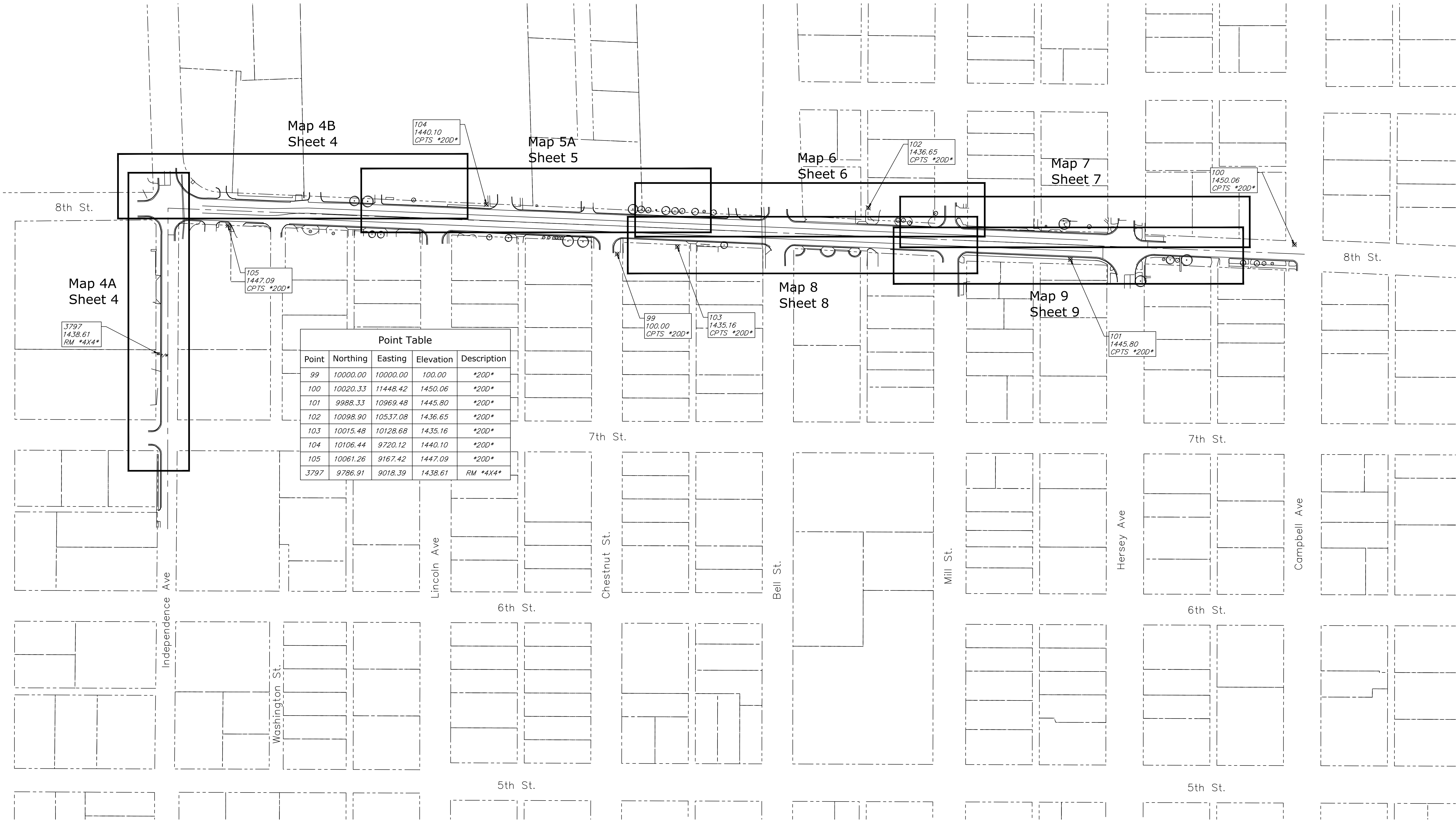
State Transportation Engineer

By:

Assistant Chief, Bureau of Local Projects

KANSAS DEPARTMENT OF TRANSPORTATION

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	2	31

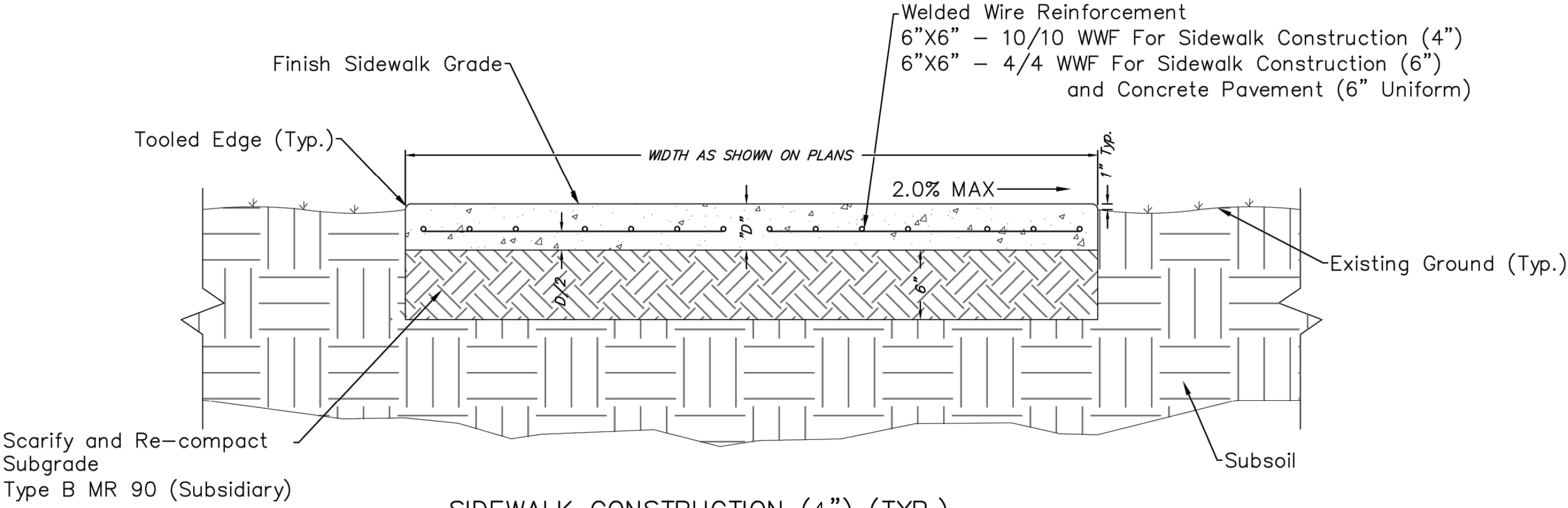


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Plot Date :

KANSAS DEPARTMENT OF TRANSPORTATION

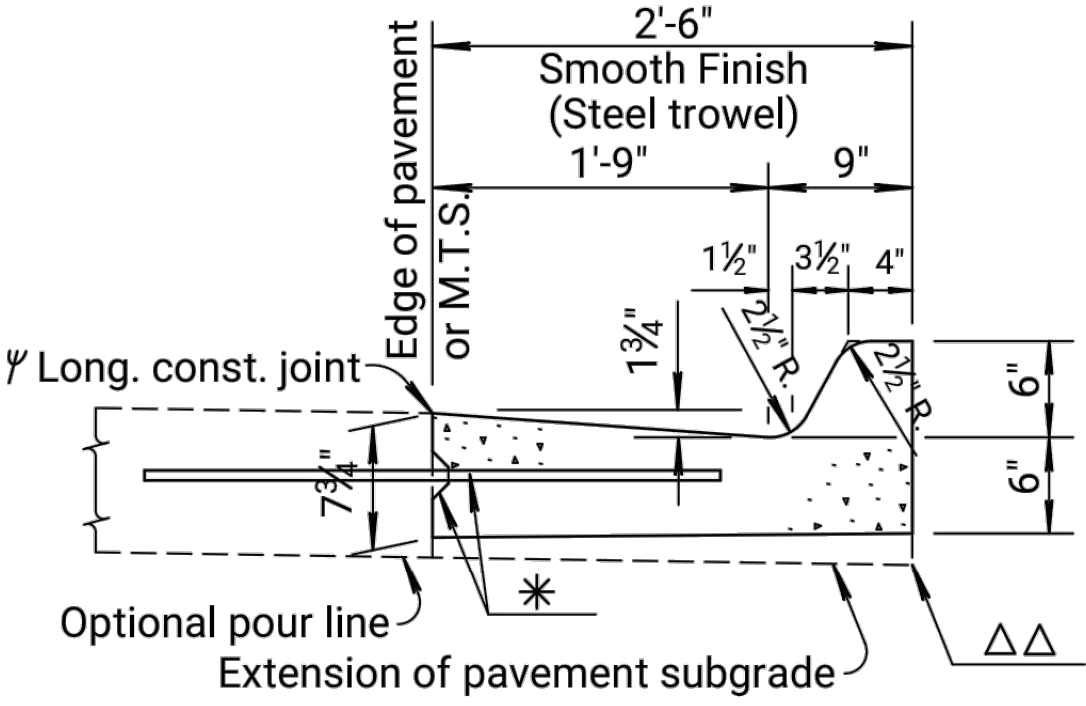
Project/Sheet Overview
Sheet 2

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	3	31



SIDEWALK CONSTRUCTION (4") (TYP.)

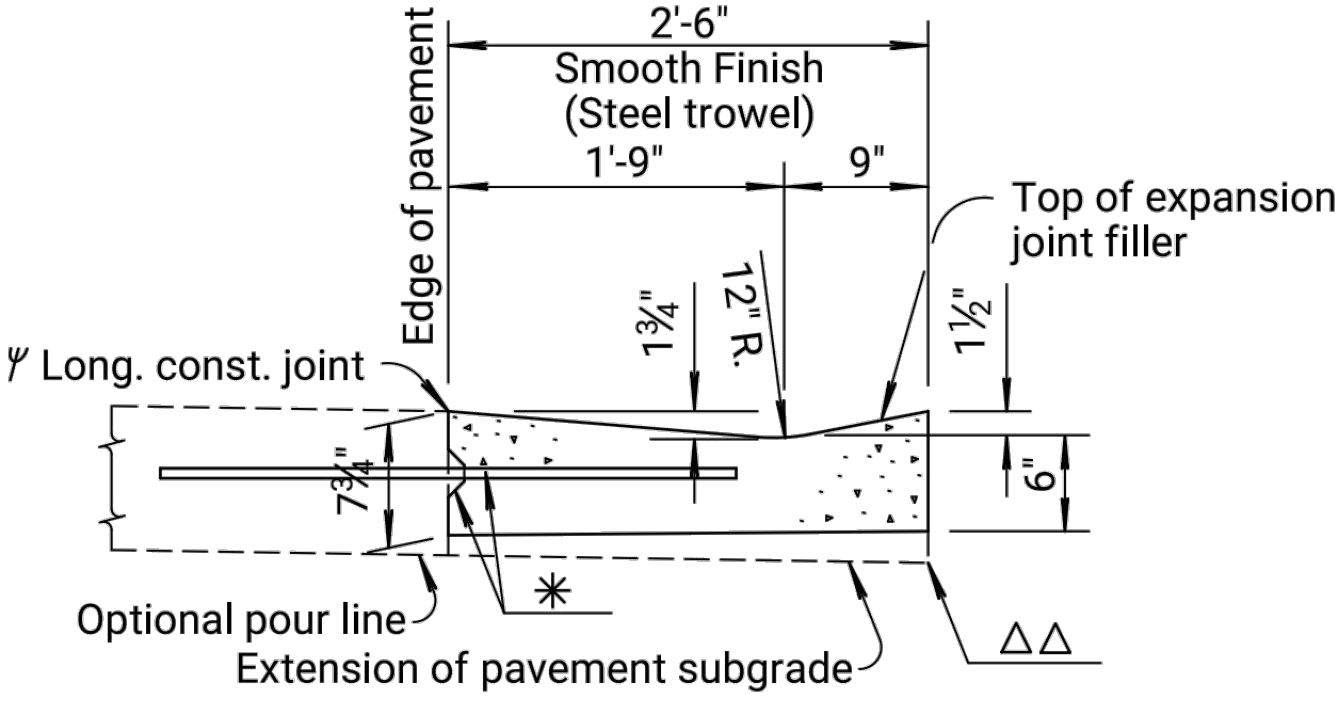
NO SCALE SECTION VIEW



TYPICAL SECTION

Note: Conc. C.&G. I contains 0.060 cu. yds. Conc. Grade 3.0 (AE) per lin.ft.

COMBINED CURB & GUTTER - TYPE I (2'-6" WIDTH)



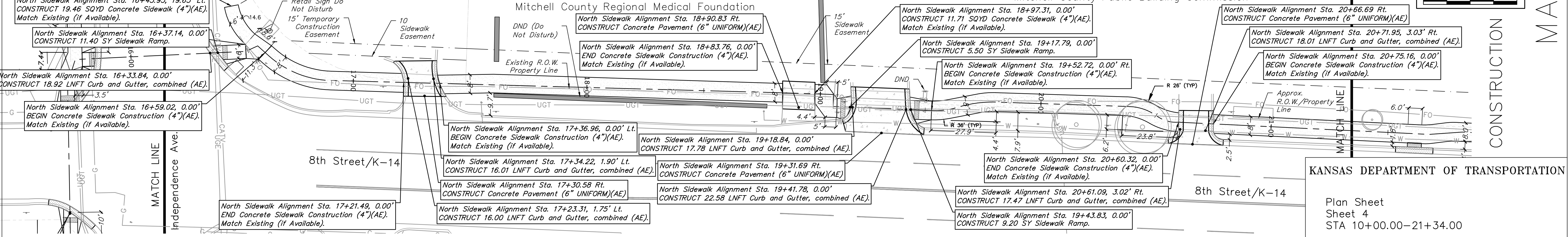
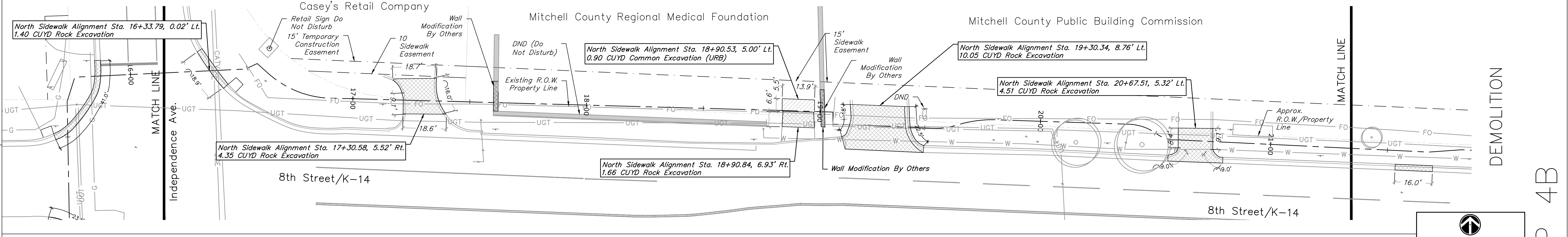
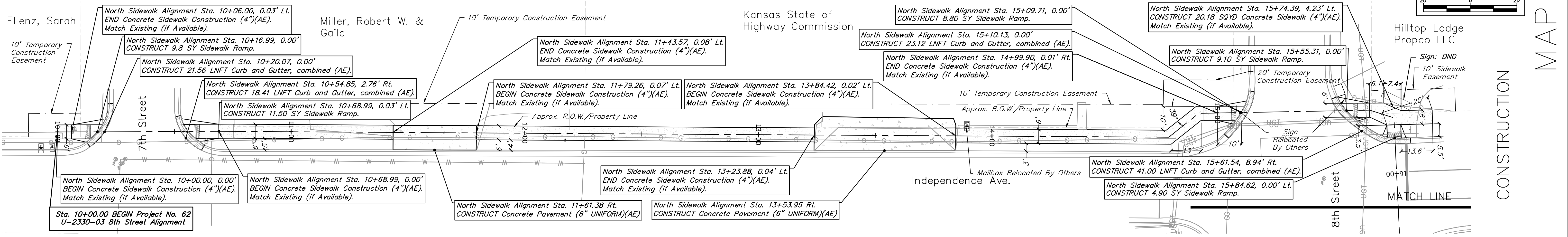
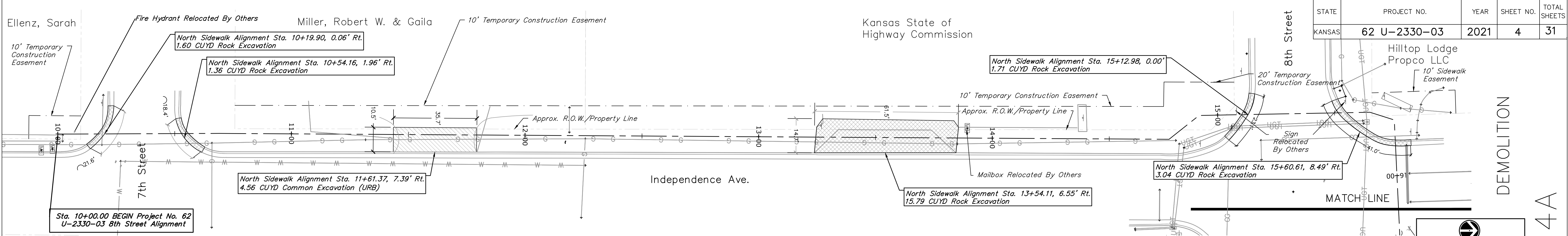
TYPICAL SECTION

Note: Conc. C.&G. II contains 0.053 cu. yds. Conc. Grade 3.0 (AE) per lin.ft.

COMBINED CURB & GUTTER - TYPE II (2'-6" WIDTH)

Plotted By : ---
Plot File : Y:\Projects\19.043 SRTS PH 2\OCAD Files\DesignBase_SRTS2C
Plot Date : February 13, 2020

R/W = 60' Total



Plotted By :
Plot File :
Plot Date :
P:\20115 SPTS 2D\CAD Files\Plan Sheets\SP152D DesignBase
March 10, 2022

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	4	31

KANSAS DEPARTMENT OF TRANSPORTATION
Plan Sheet
Sheet 4
STA 10+00.00-21+34.00

DEMOLITION

CONSTRUCTION

DEMOLITION

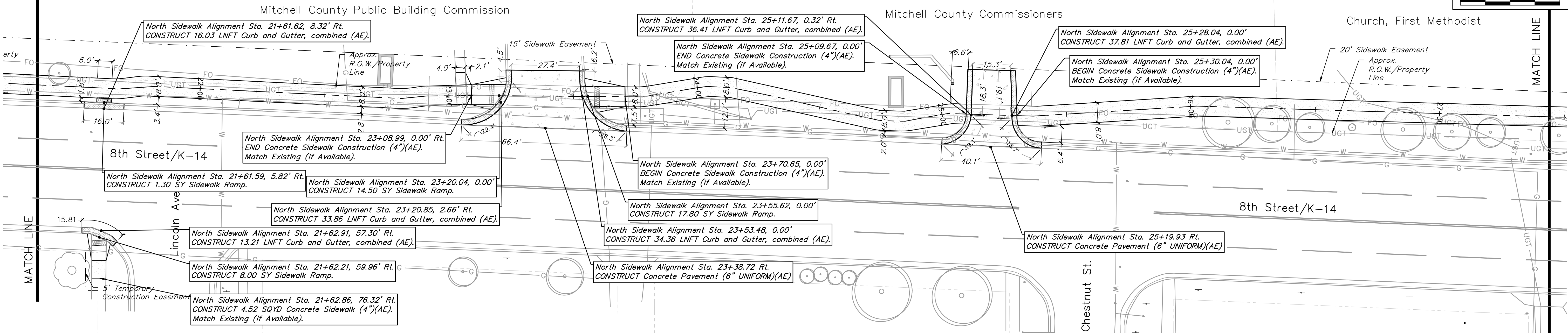
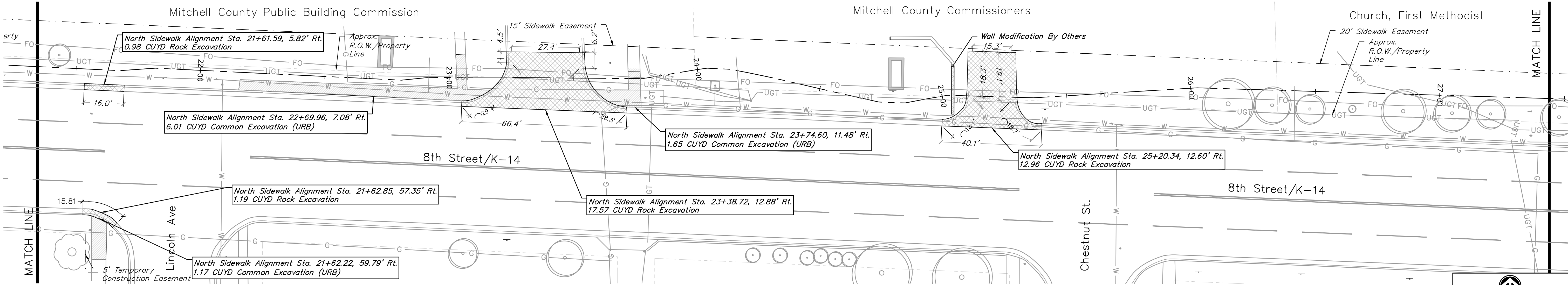
CONSTRUCTION

MAP 4A

MAP 4B

R/W = 60' Total

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	5	31



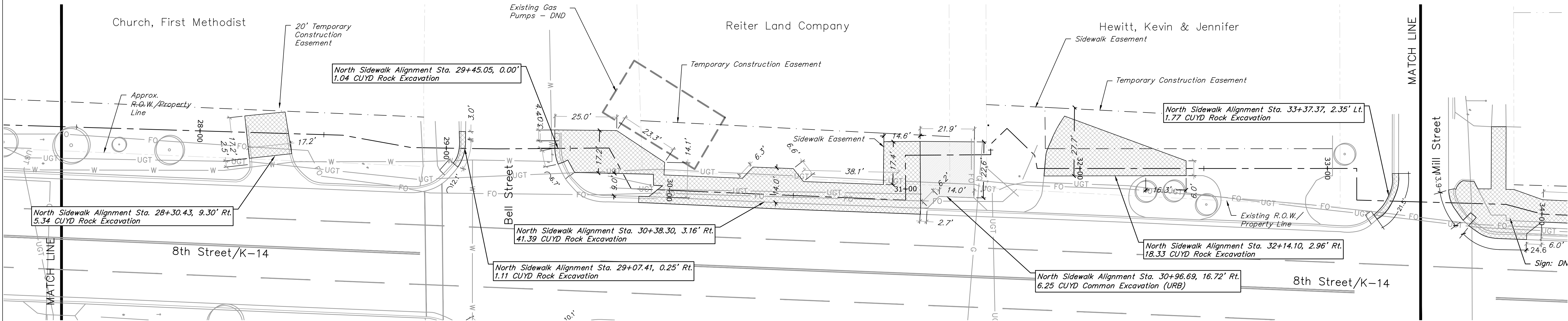
KANSAS DEPARTMENT OF TRANSPORTATION

Plan Sheet
Sheet 5
STA 21+34.00-27+44.00

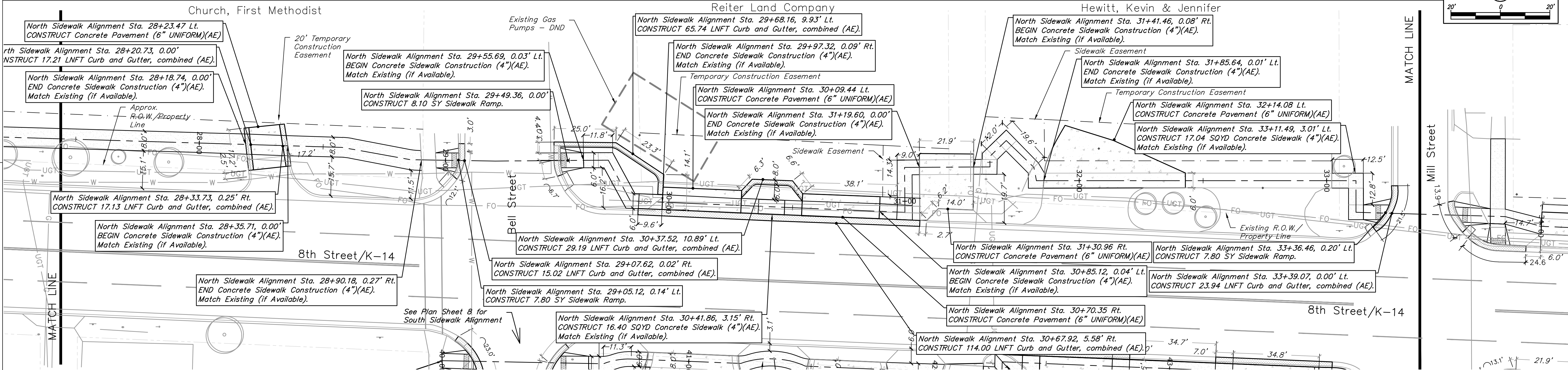
DEMOLITION
CONSTRUCTION
MAP 5

R/W = 60' Total

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	6	31



DEMOLITION



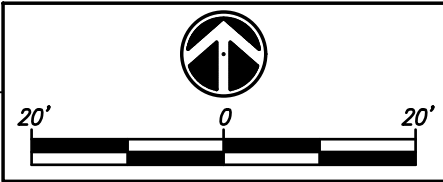
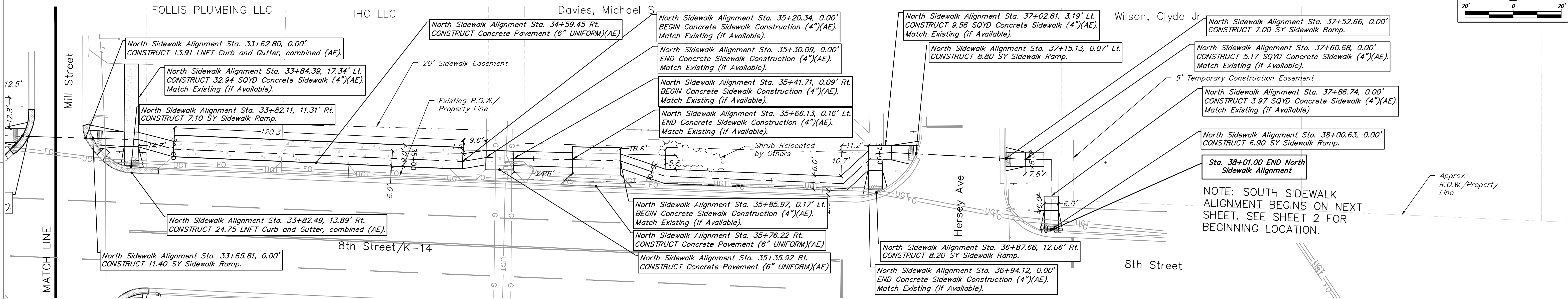
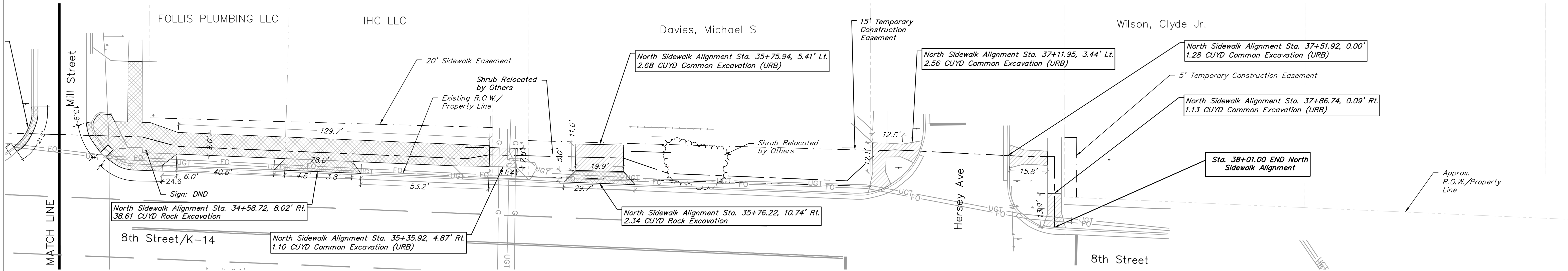
CONSTRUCTION

KANSAS DEPARTMENT OF TRANSPORTATION

Plan Sheet
Sheet 6
STA 27+44.00-33+49.00

R/W = 60' Total

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	7	31



DEMOLITION
MAP 7
CONSTRUCTION

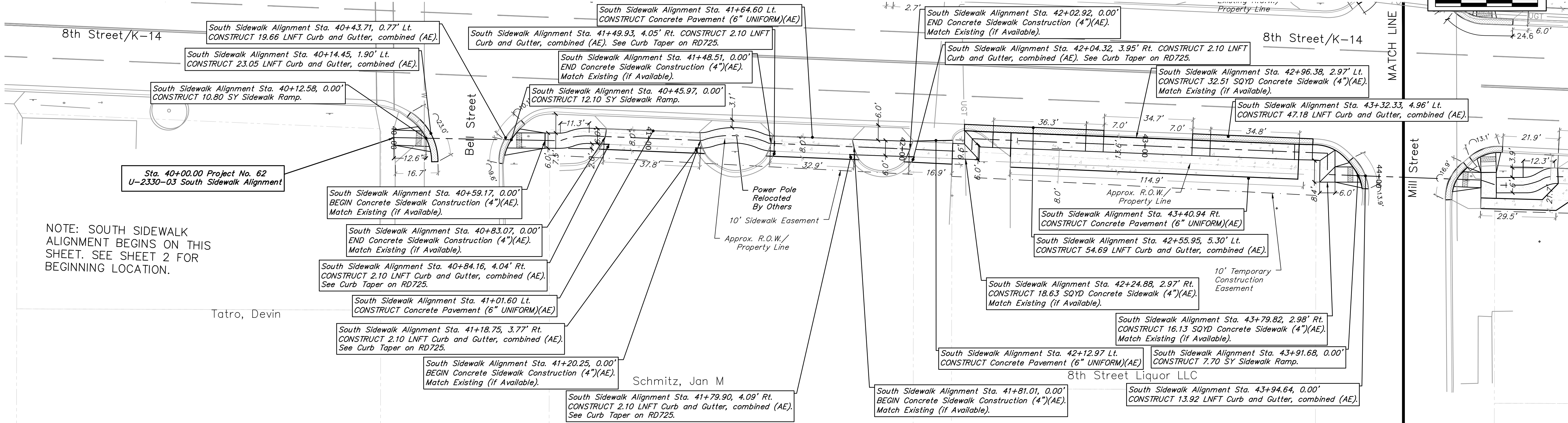
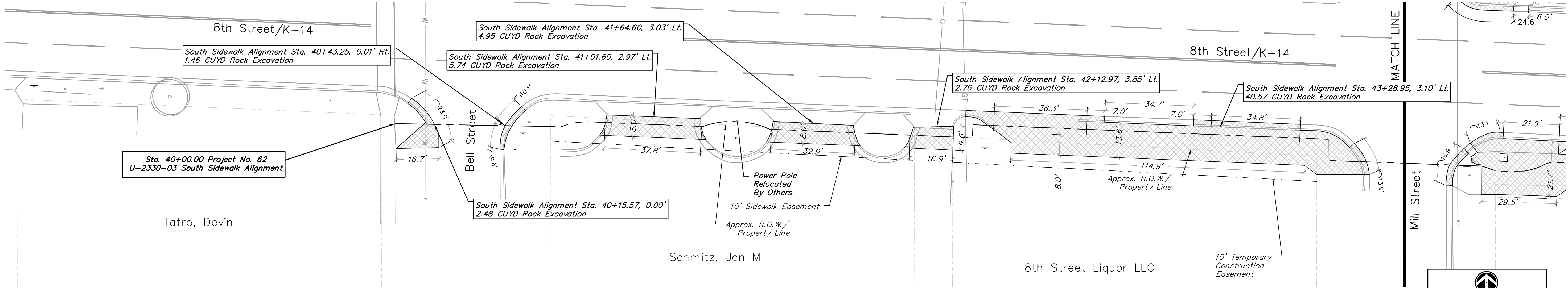
KANSAS DEPARTMENT OF TRANSPORTATION

Plan Sheet
Sheet 7
STA 33+49.00-38+01.00

Plotted By :
Plot File :
Plot Date :
P:\20115 SRTS 20\CAD Files\Plan Sheets\SR1520_DesignBase
March 10, 2022

R/W = 60' Total

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	8	31



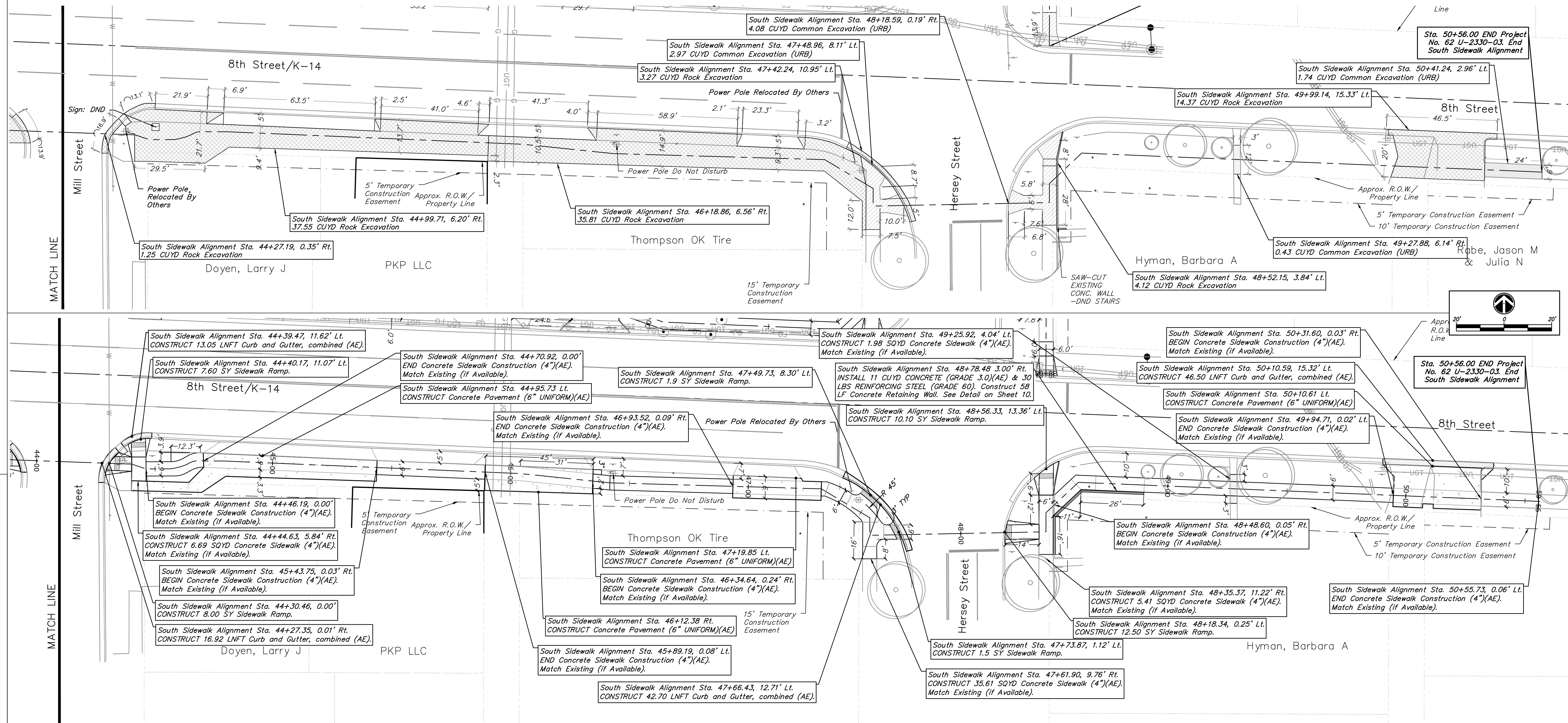
NOTE: SOUTH SIDEWALK ALIGNMENT BEGINS ON THIS SHEET. SEE SHEET 2 FOR BEGINNING LOCATION.

Plotted By :
Plot File :
Plot Date :

KANSAS DEPARTMENT OF TRANSPORTATION

Plan Sheet
Sheet 8
STA 40+00.00-44+09.00

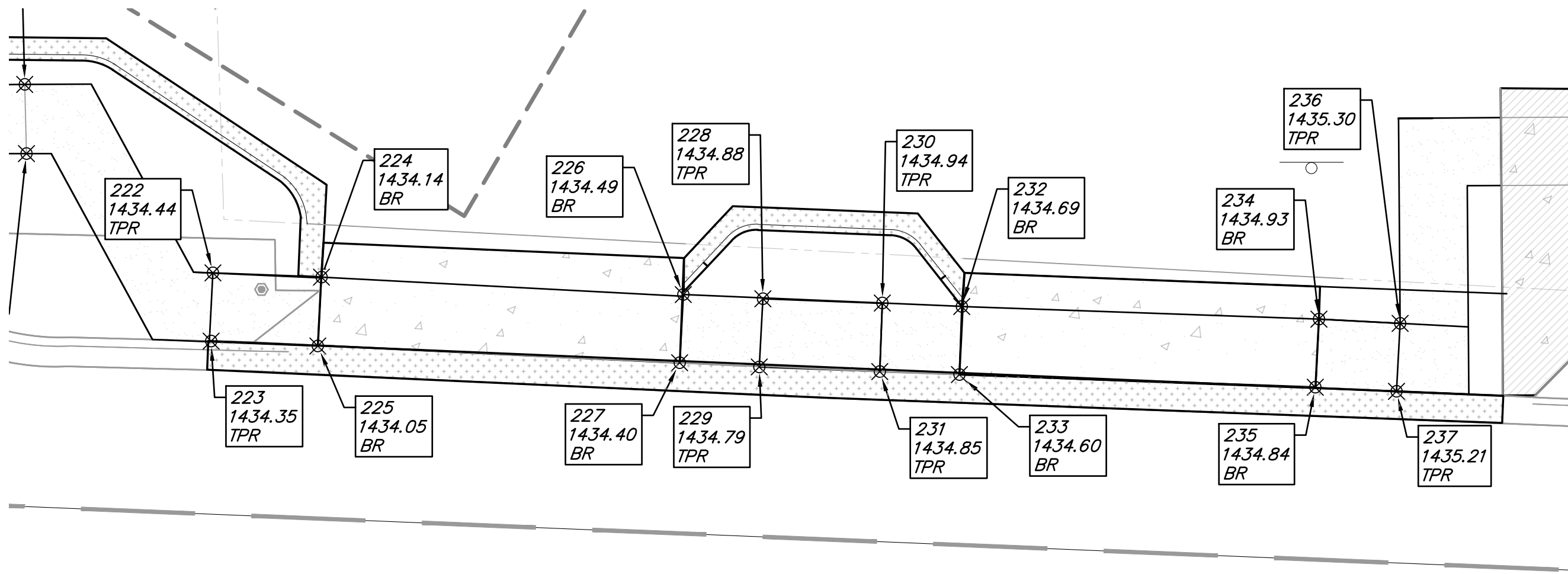
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KANSAS	62 U-2330-03	2021	9	31



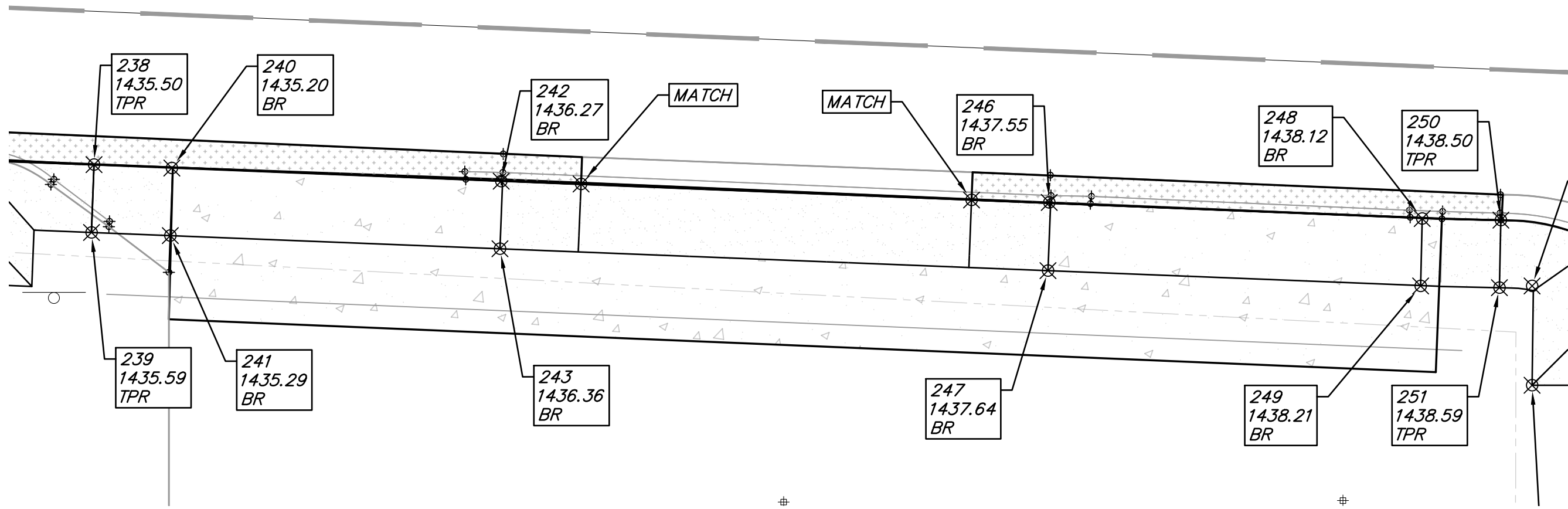
Plan Sheet
Sheet 9
STA 44+09.00-50+56.00

Plotted By : *****
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Plot Date : March 10, 2022

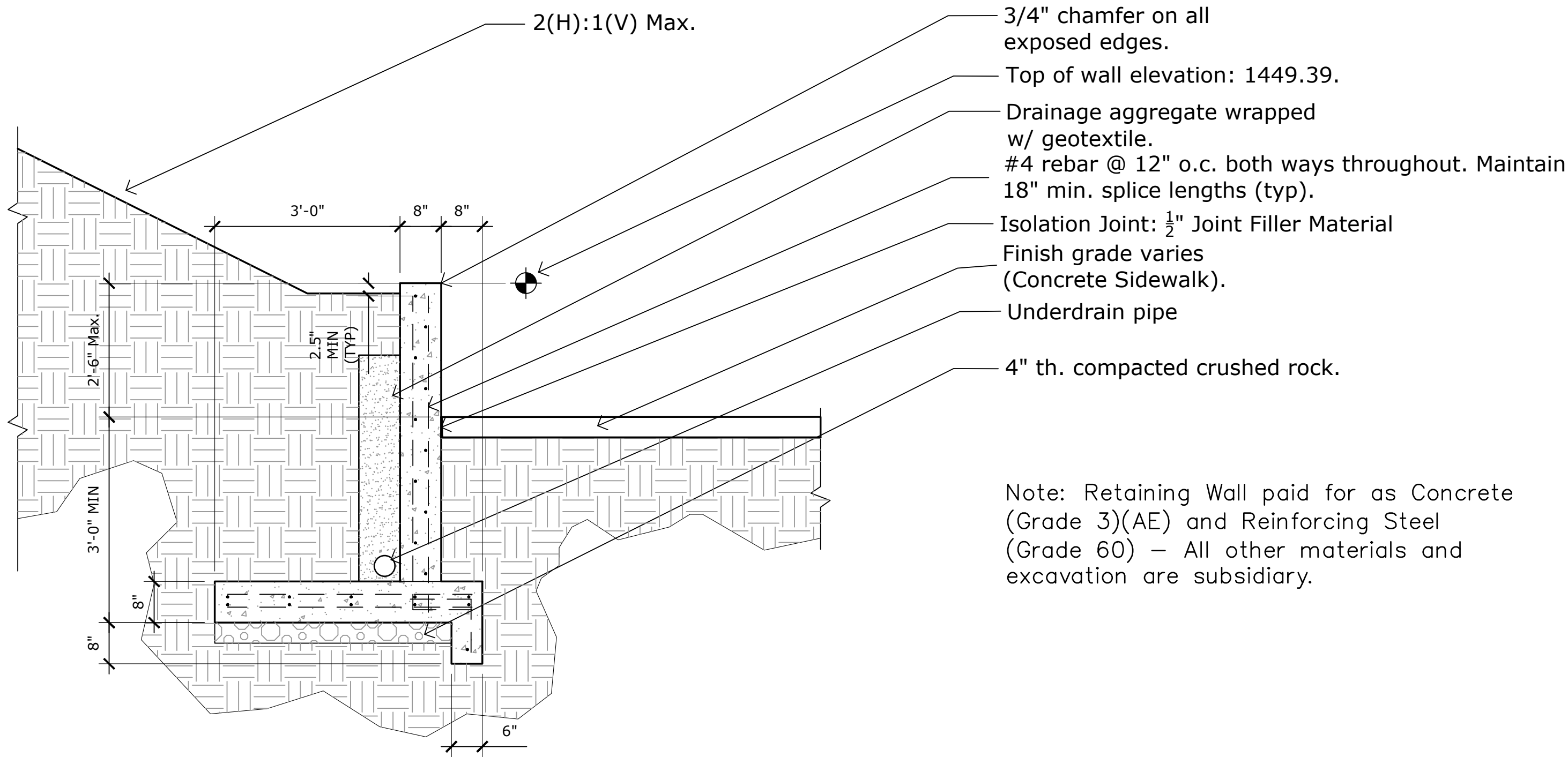
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	10	31



North 8th St. Alignment: STA 29+87.78 – Pump Mart Driveway Grading Detail
Scale: 1"=10'



South 8th St. Alignment: STA 42+40.36 – 8th Street Liquor Driveway Grading Detail
Scale: 1"=10'



CONCRETE RETAINING WALL DETAIL – TYPICAL SECTION
Scale: 1"=10'

Note: Retaining Wall paid for as Concrete (Grade 3)(AE) and Reinforcing Steel (Grade 60) – All other materials and excavation are subsidiary.

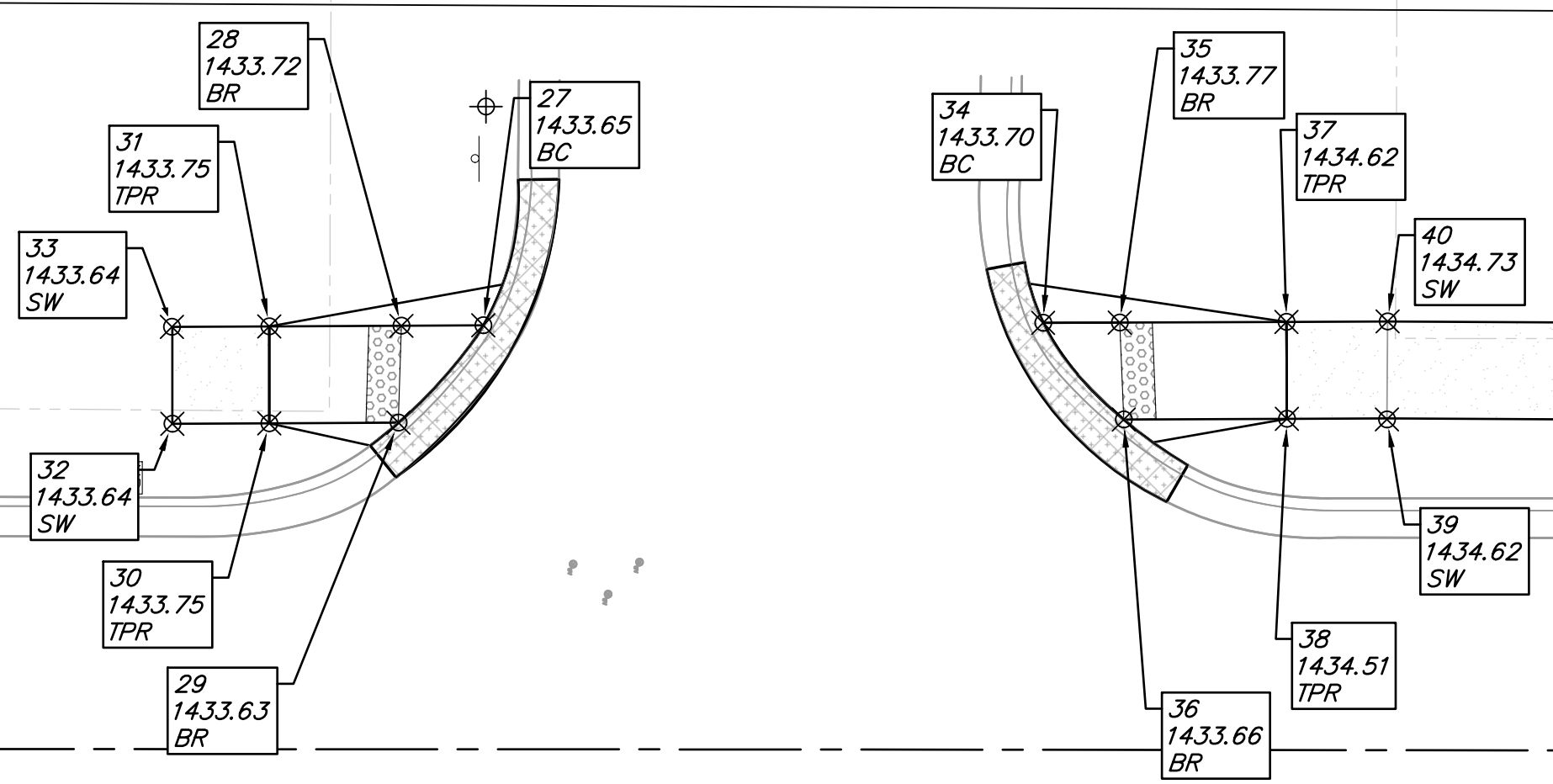
Plotted By :
Plot File :
Plot Date :

KANSAS DEPARTMENT OF TRANSPORTATION

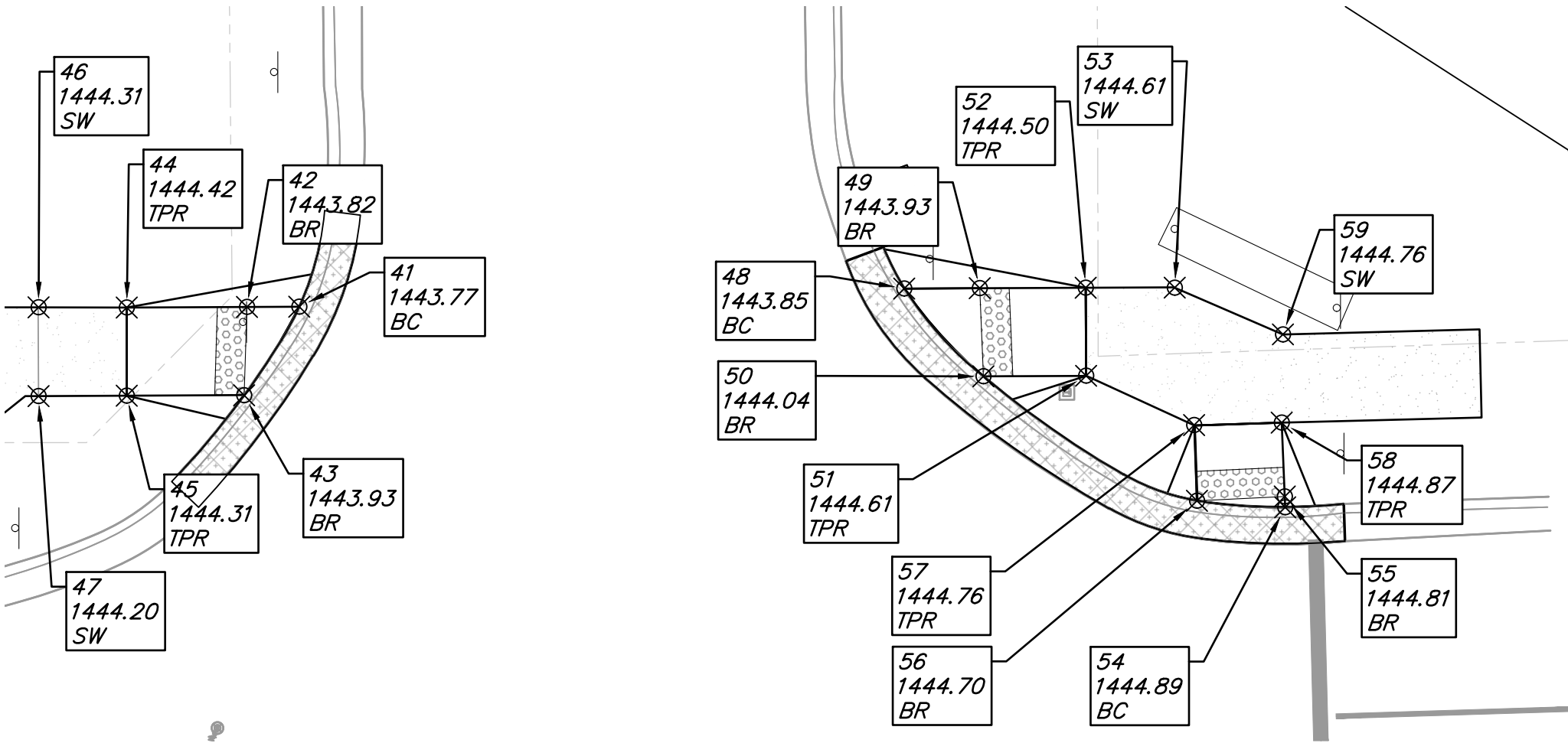
Drive and Retaining Wall Details
Sheet 10

R/W = 60' Total

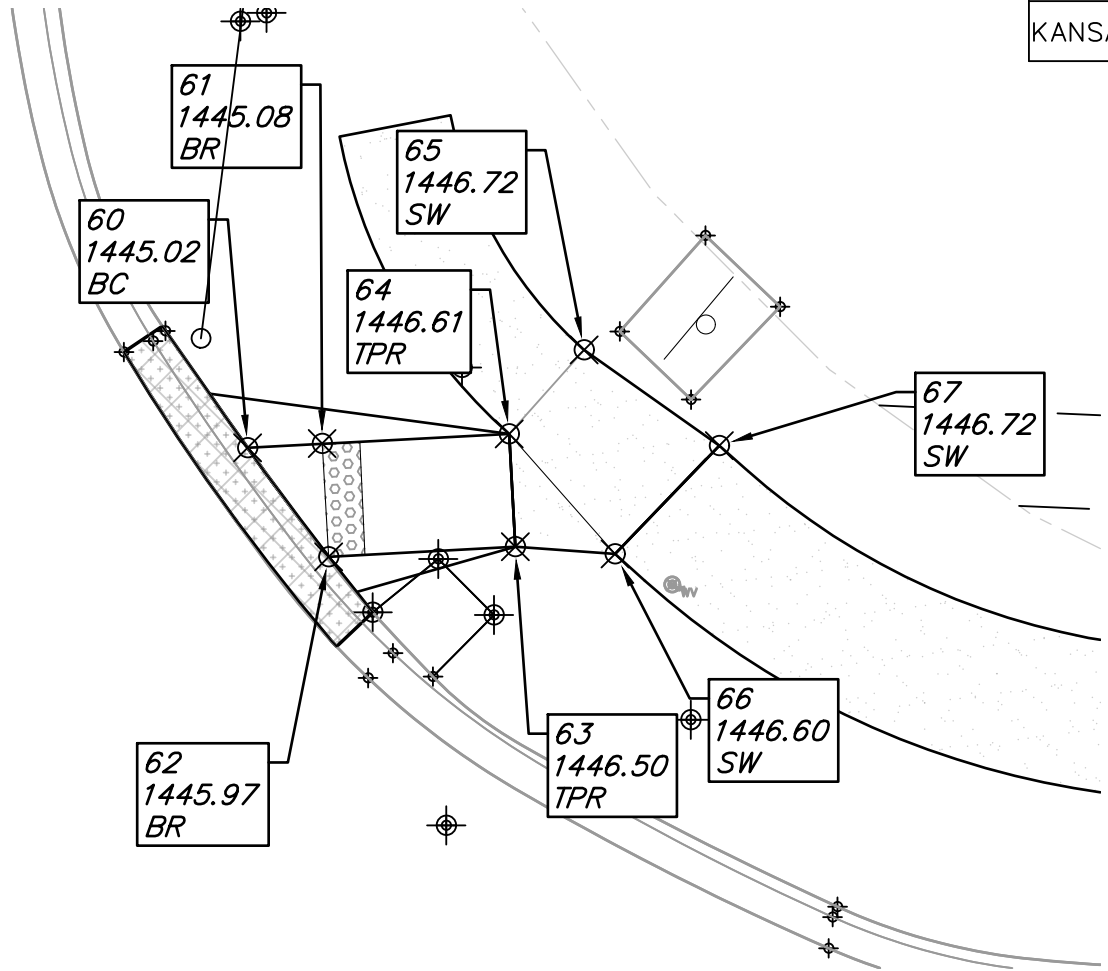
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KANSAS	62 U-2330-03	2021	11	31



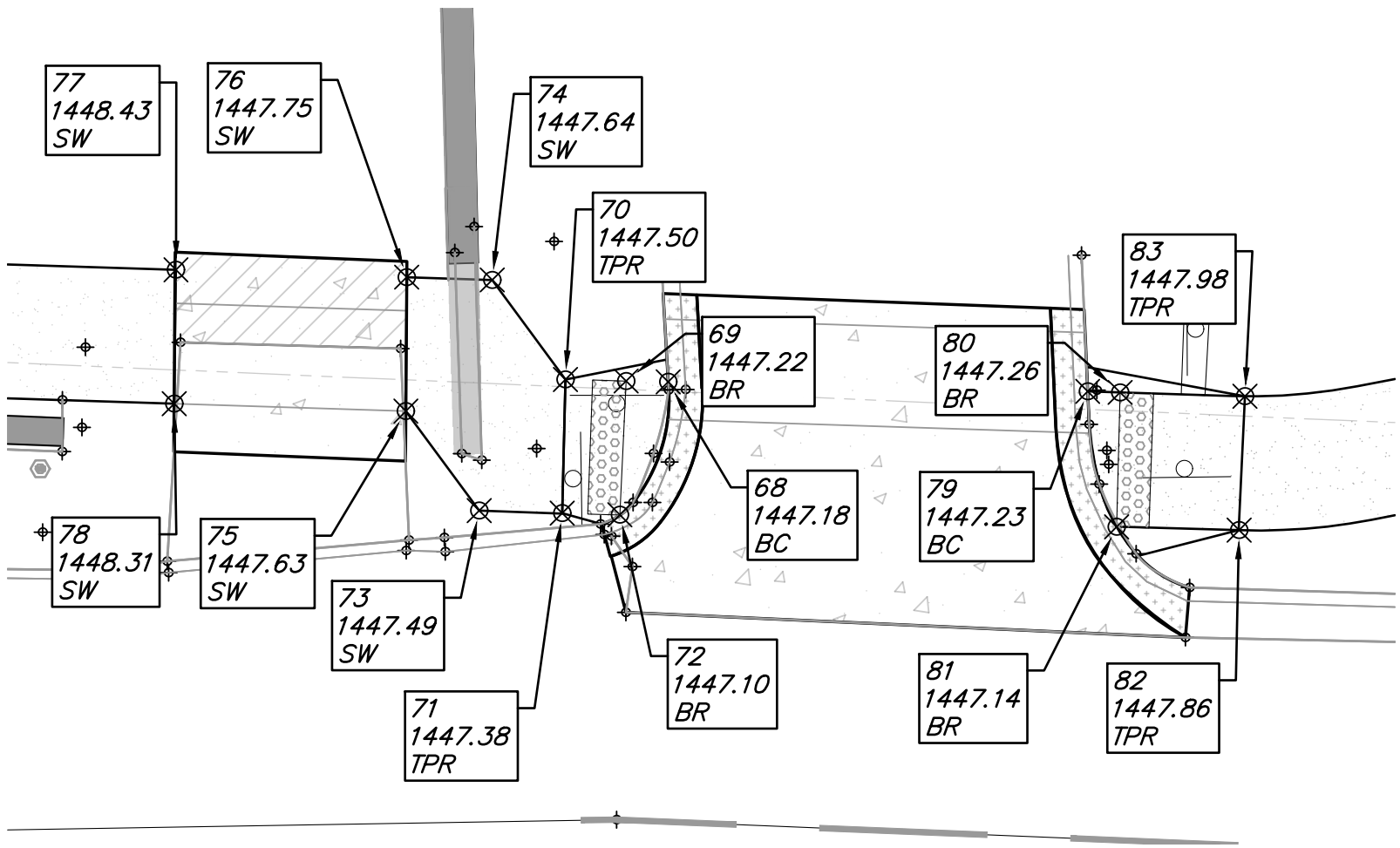
Ramp Detail: STA 10+16.99 & 10+68.99
Scale: 1"=10'



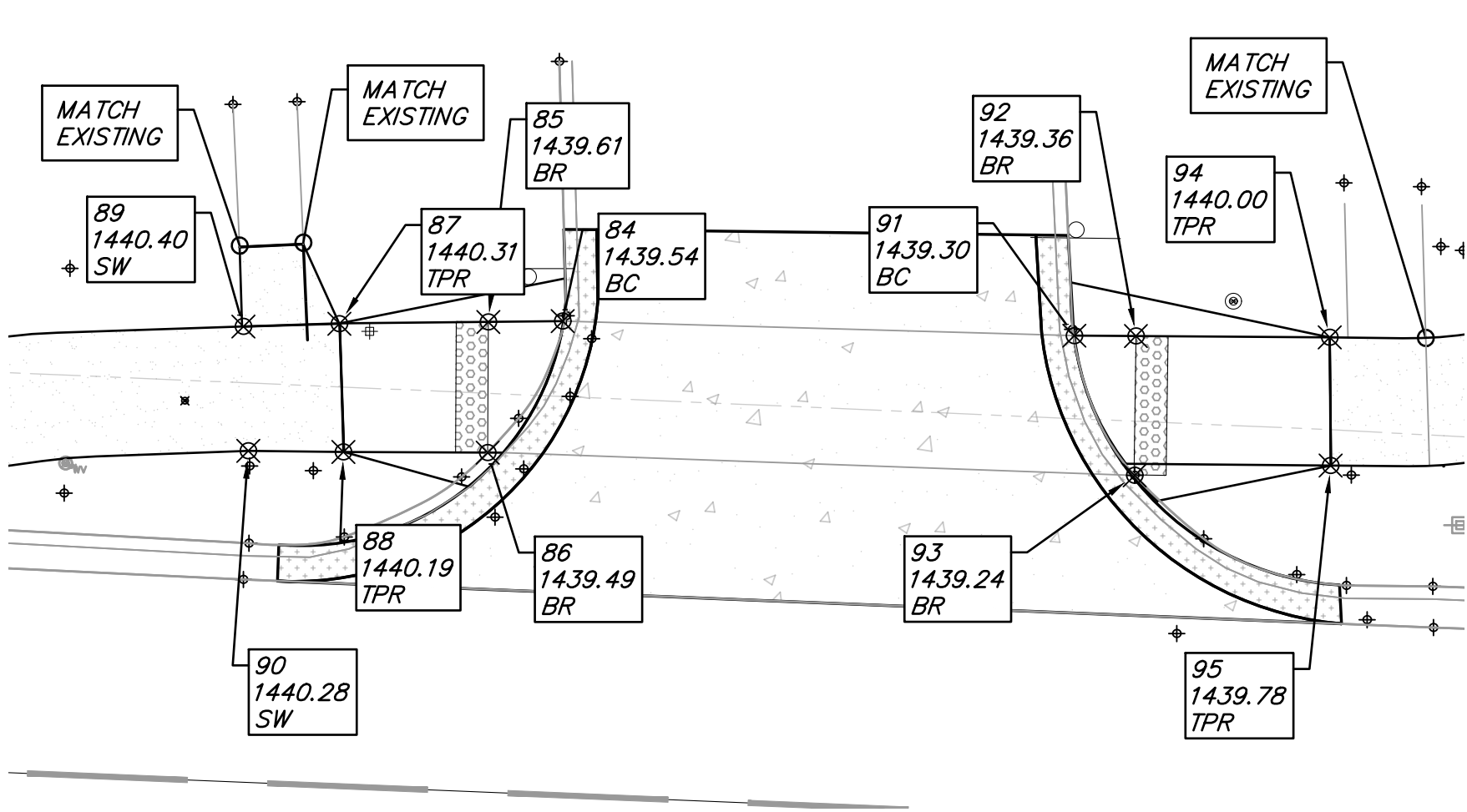
Ramp Detail: STA 15+09.71, 15+55.31 & 15+84.62
Scale: 1"=10'



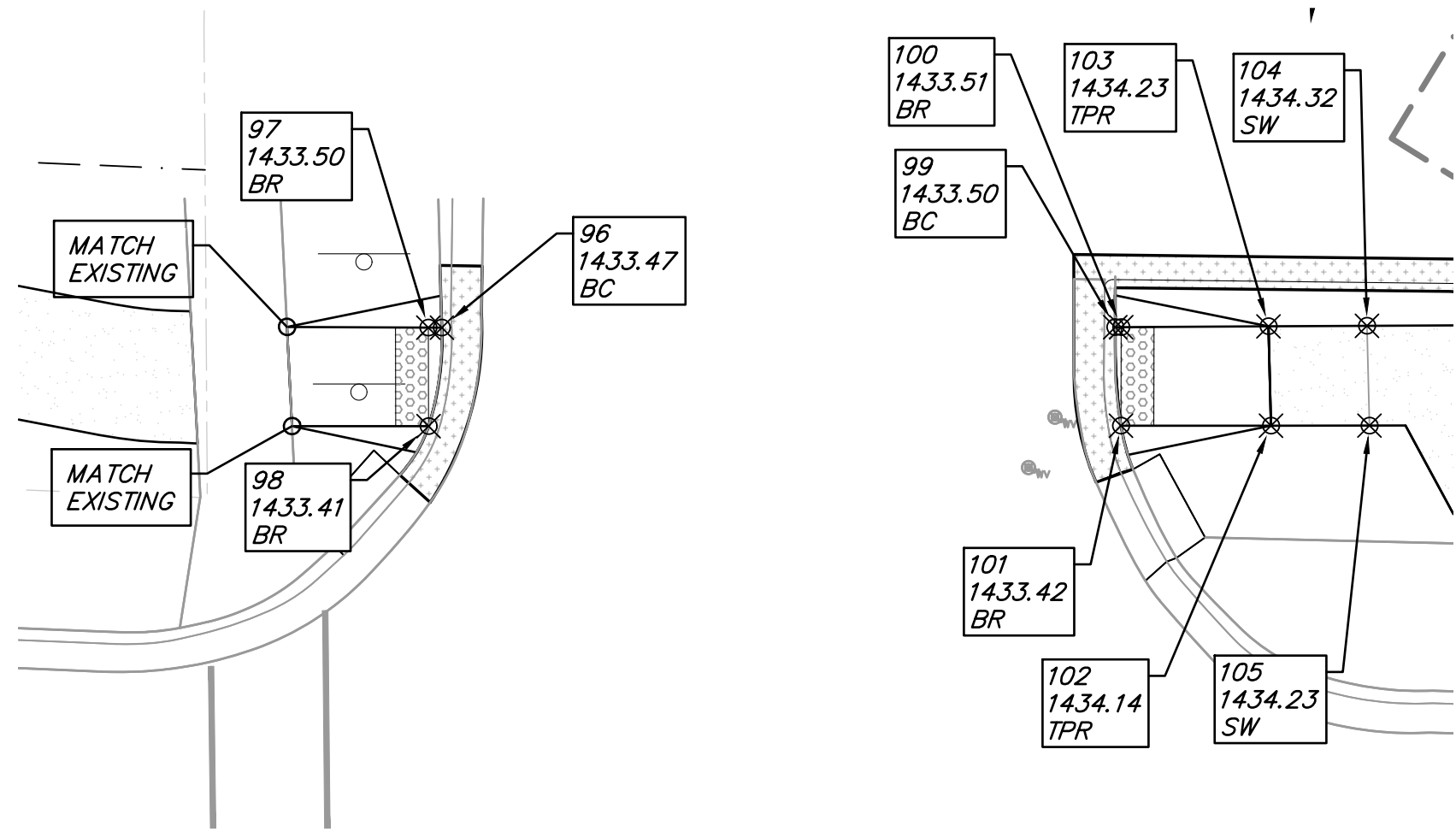
Ramp Detail: STA 16+37.14
Scale: 1"=10'



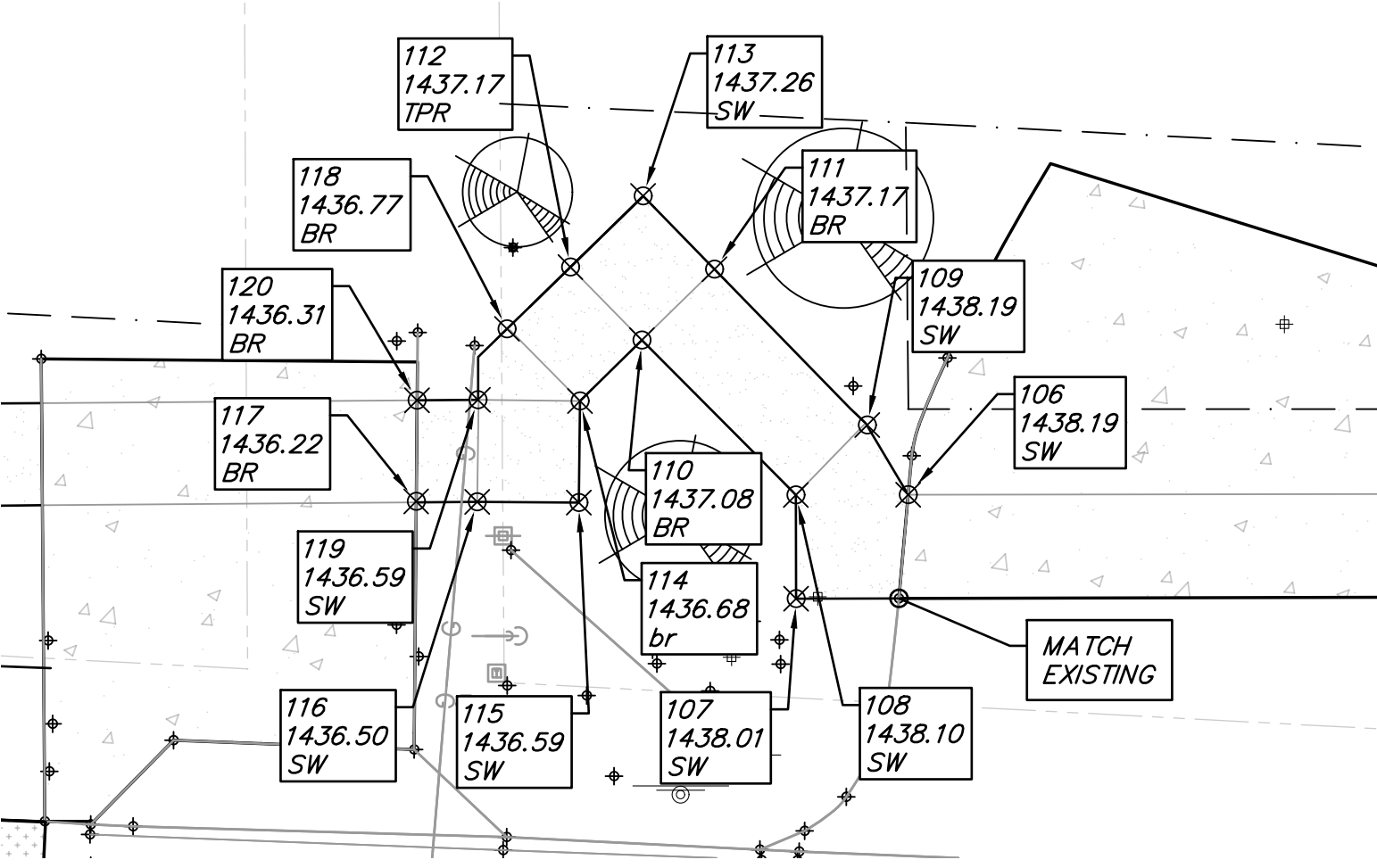
Ramp Detail: STA 19+17.79 & 19+43.83
Scale: 1"=10'



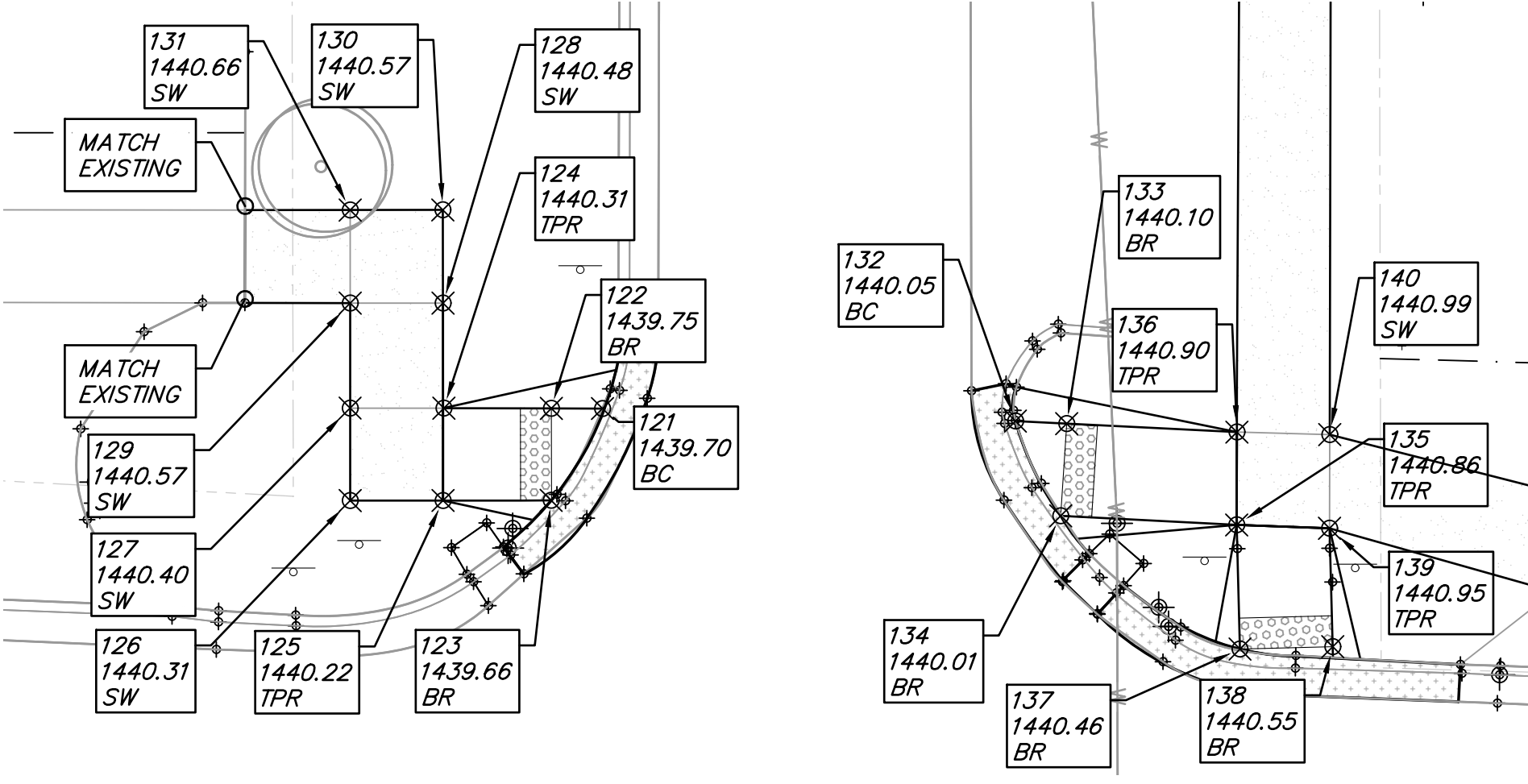
Ramp Detail: STA 23+20.04 & 23+55.62
Scale: 1"=10'



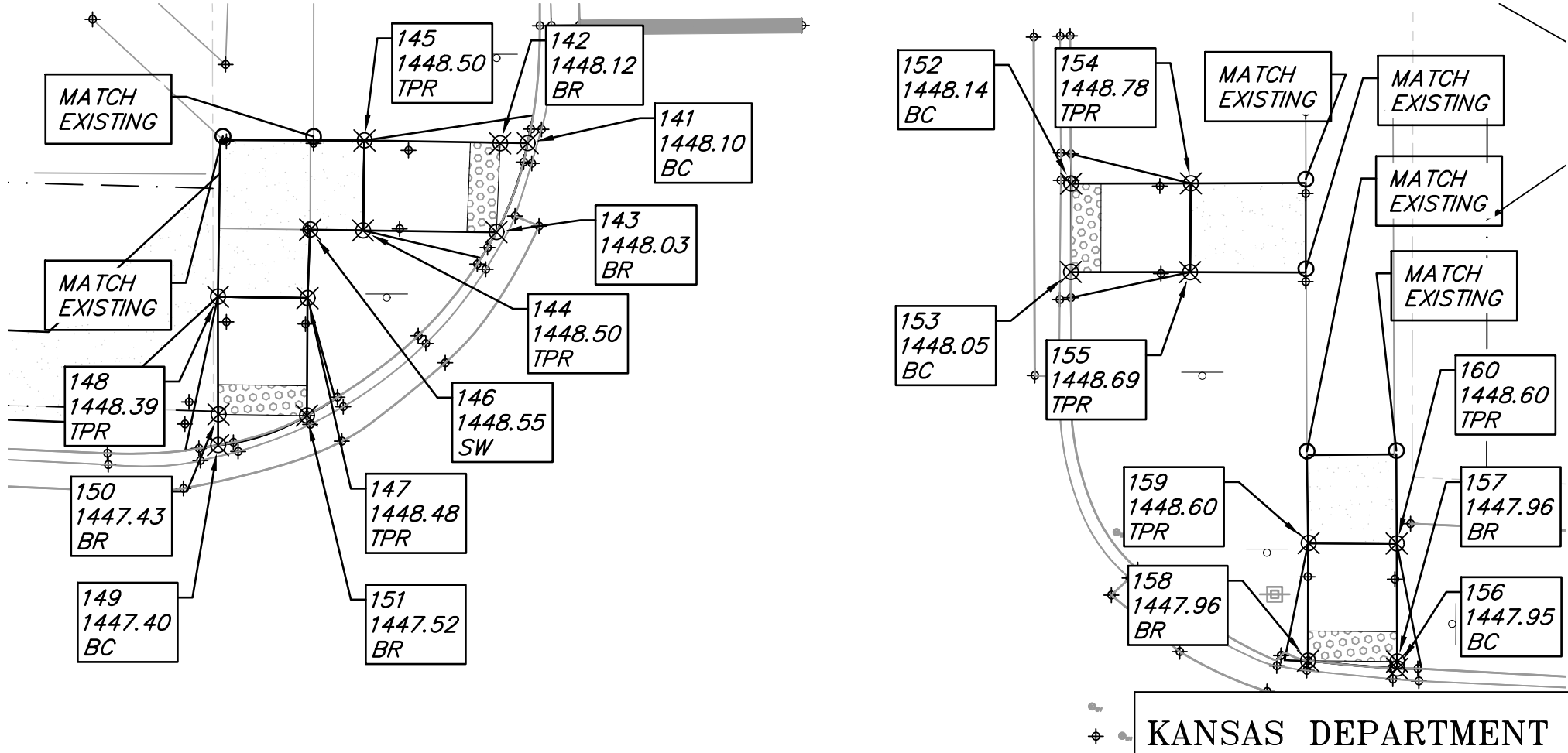
Ramp Detail: STA 29+05.12 & 29+49.36
Scale: 1"=10'



Ramp Detail: STA 31+45.00 (8th St. Mid Block)
Scale: 1"=10'



Ramp Detail: STA 33+36.46, 33+65.81 & 33+82.11
Scale: 1"=10'



Ramp Detail: STA 36+87.66, 37+15.13, 37+52.66 & 38+00.63
Scale: 1"=10'

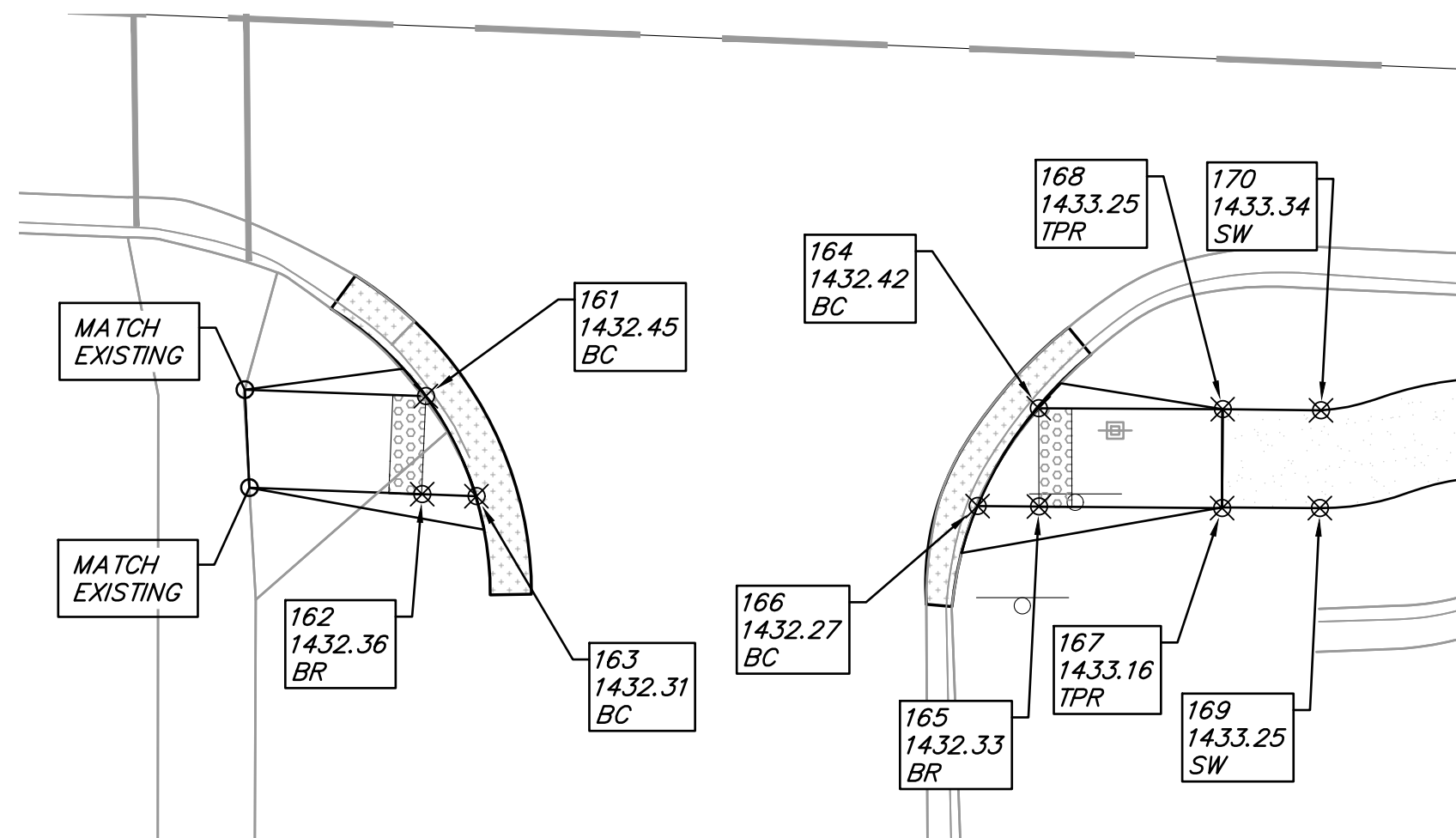
KANSAS DEPARTMENT OF TRANSPORTATION

Ramp Details
Sheet 11

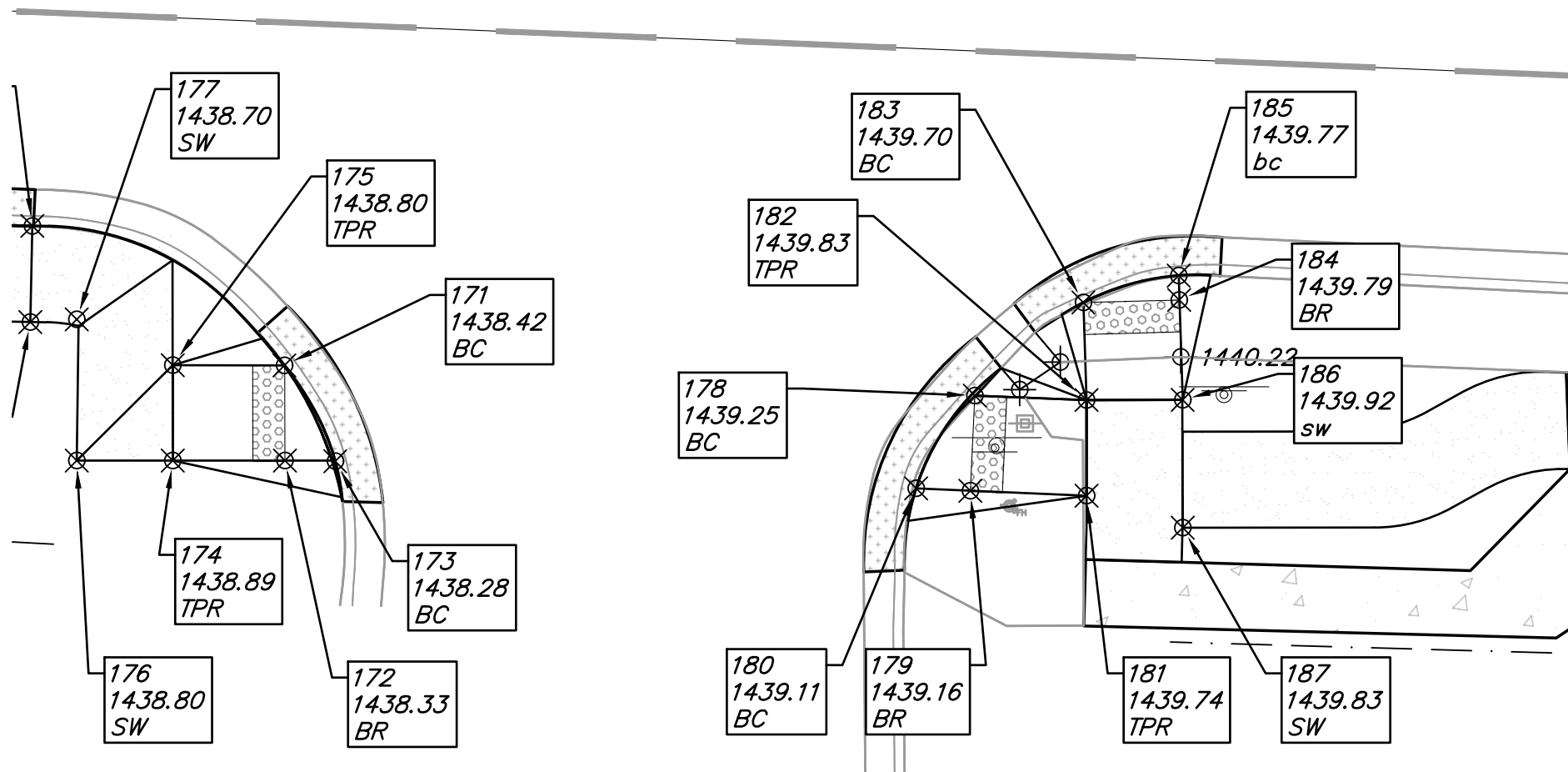
Plotted By :
Plot File :
Plot Date :
P:\20115 SRTS 2D\CAD Files\Plan Sheets\SR152D_DesignBase
March 10, 2022

R/W = 60' Total

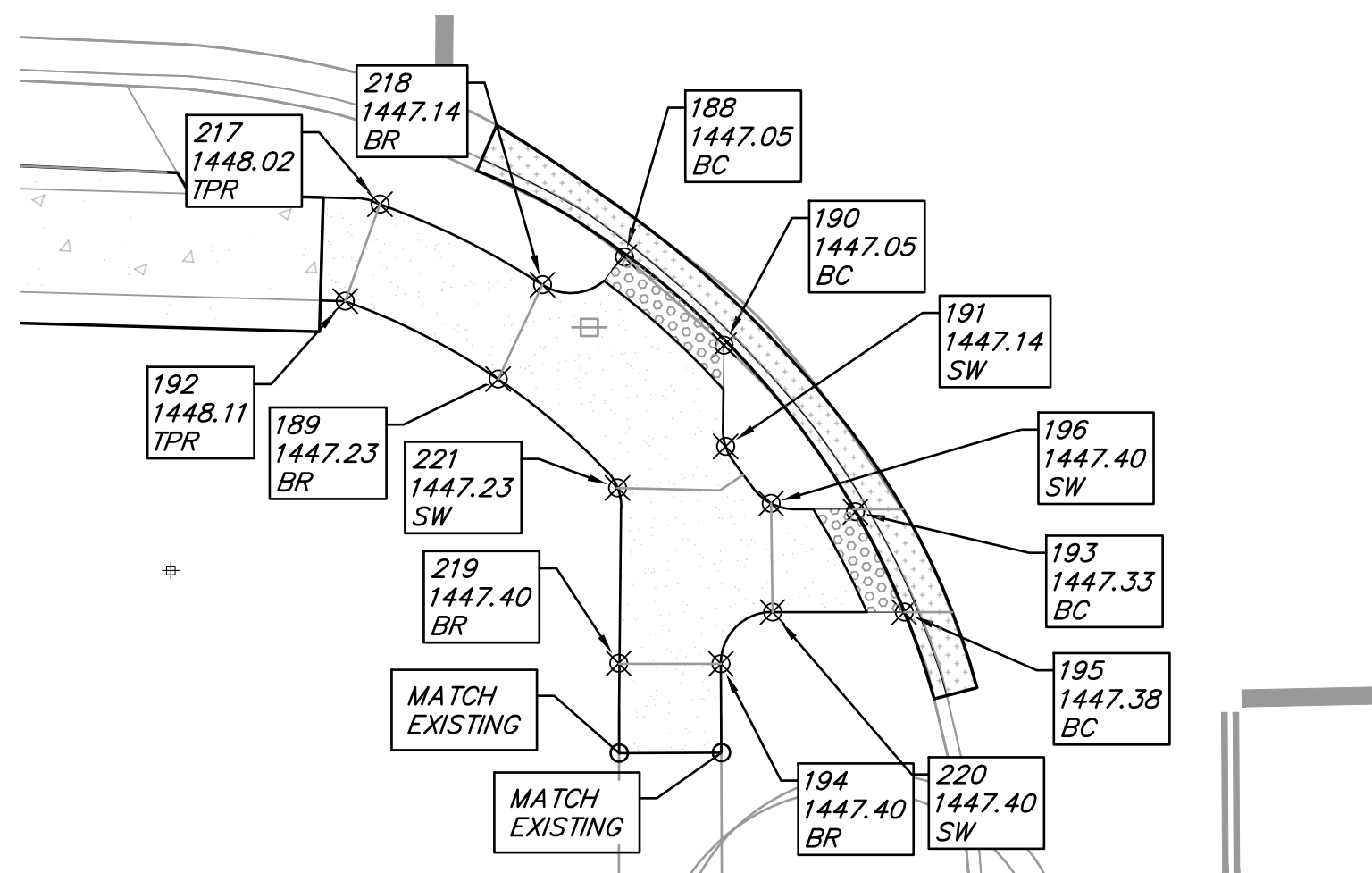
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	12	31



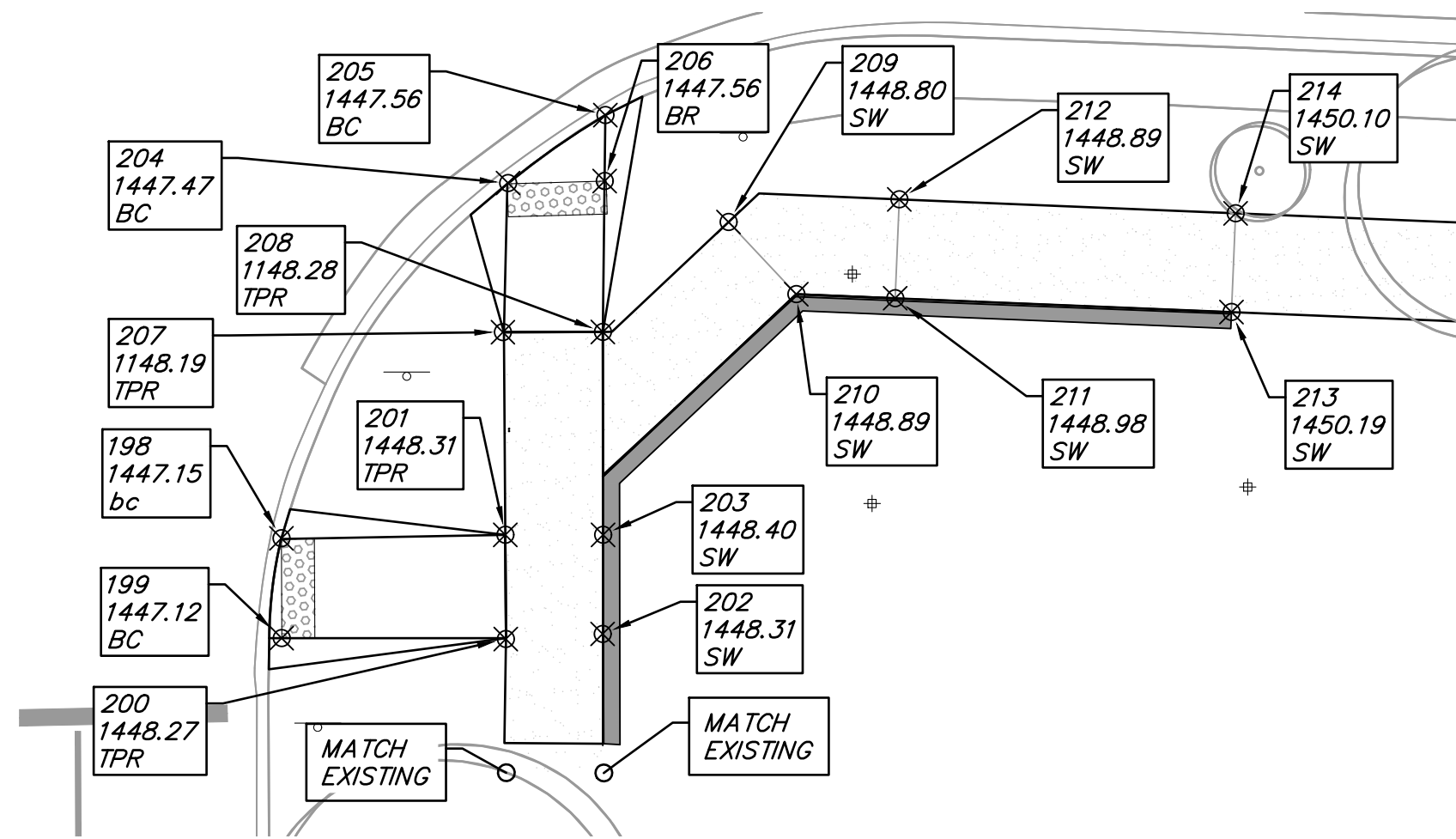
Ramp Detail: STA 40+12.58 & 40+45.97
Scale: 1"=10'



Ramp Detail: STA 43+91.68, 44+30.46 & 44+40.17
Scale: 1"=10'



Ramp Detail: STA 47+49.73 & 47+73.87
Scale: 1"=10'



Ramp Detail: STA 48+18.34 & 48+56.33
Scale: 1"=10'

KANSAS DEPARTMENT OF TRANSPORTATION

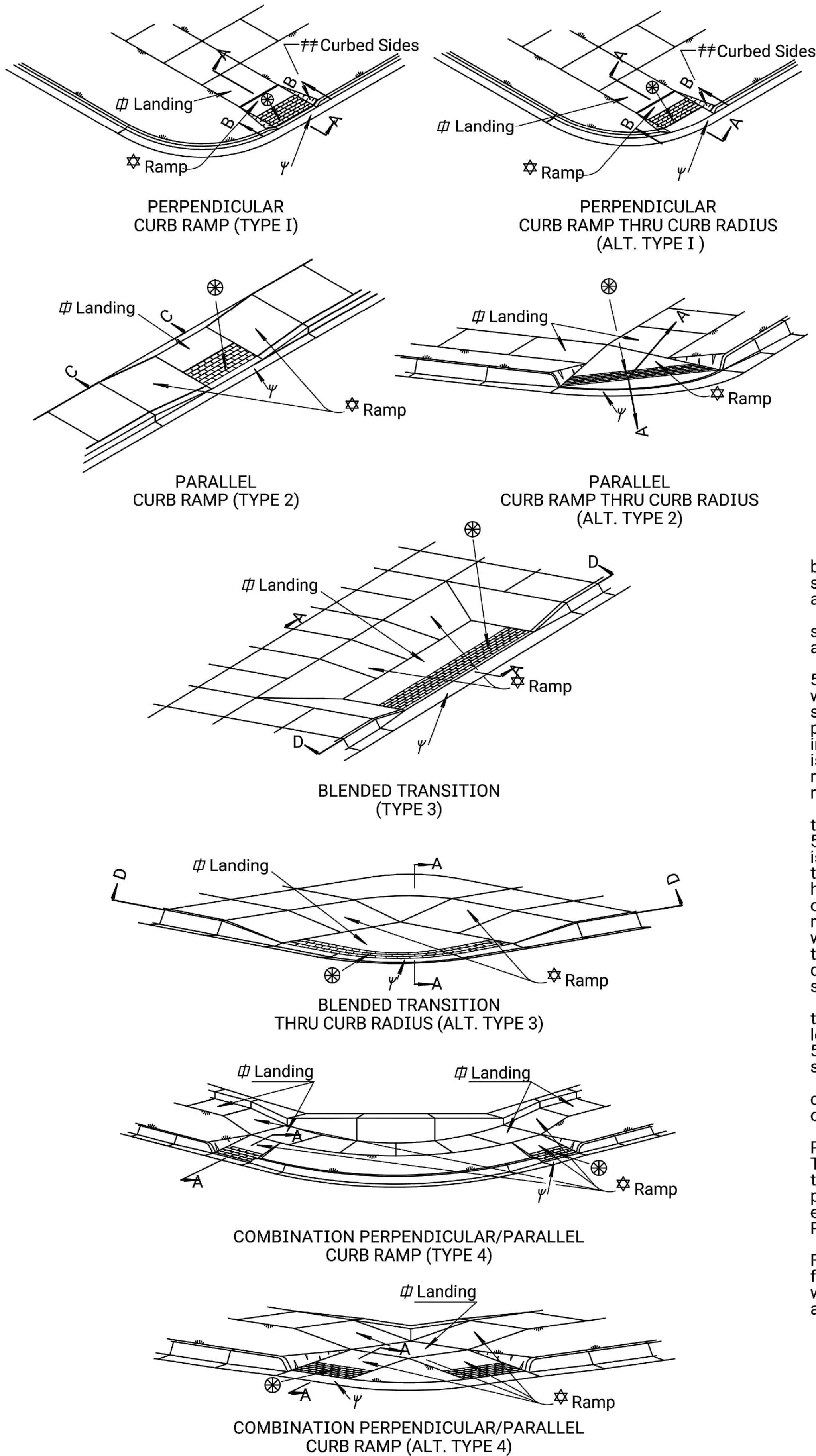
Ramp Details
Sheet 12

Plotted By :
Plot File : P:\20.115 SRTS 2D\CAD Files\Plan Sheets\SRTS2D_DesignBase
Plot Date : March 10, 2022

Note to Designer: Placing newly constructed curb ramps through curb radii should be avoided wherever practicable. The use of Parallel Curb Ramp Thru Curb Radius (Alt. Type 2) should be avoided wherever practicable. Review locations of fixed objects. Placing fixed objects in conflict with sidewalk and ramps should be avoided. Fixed objects may include, but are not limited to, fire hydrants, utility cabinets, drainage structures, manholes, inlets, signal poles, and utility poles.

Plotted 26-MAR-2018 15:45

Drawn By : arockers
File : rd725.dgn



⌀ Expansion Joint (¾" Redwood board) placed at either back of curb line, at sidewalk back of curb line, or at sidewalk line. Alternate expansion joint material may be used as approved by the Engineer.

✖✖ Expansion joint (¾" Redwood board) located as shown. Alternate expansion joint material may be used as approved by the Engineer.

✦ The minimum width of newly constructed sidewalk is 5'-0". Where existing conditions prohibit the use of 5'-0" wide sidewalk, 4'-0" wide sidewalk may be used. Where sidewalk width is less than 5'-0" construct 5'-0" x 5'-0" passing spaces located at 200' intervals (max) as shown in the Passing Space Detail. In general, where new sidewalk is constructed parallel or adjacent to a roadway the sidewalk running slopes will match the grade of the adjacent roadway.

✧ New construction ramp running slopes are 5% (min) to 8.3% (max). Ramp slopes for blended transitions are 5% or flatter. The maximum allowable ramp cross slope is 2% or flatter. Match the ramp width to the width of the approach sidewalk. Curb ramp lengths will vary with curb height. Curb ramp lengths are 5'-0" (min) to 15'-0" (max). All other ramp lengths are 5'-0" (min) to 30'-0" (max). Where roadway grades are relatively flat and curb ramp lengths will exceed 15'-0", ramps may be constructed in succession to tie into existing sidewalk. Maintain ramp slopes and dimensions as previously stated and install a landing between successive ramp runs.

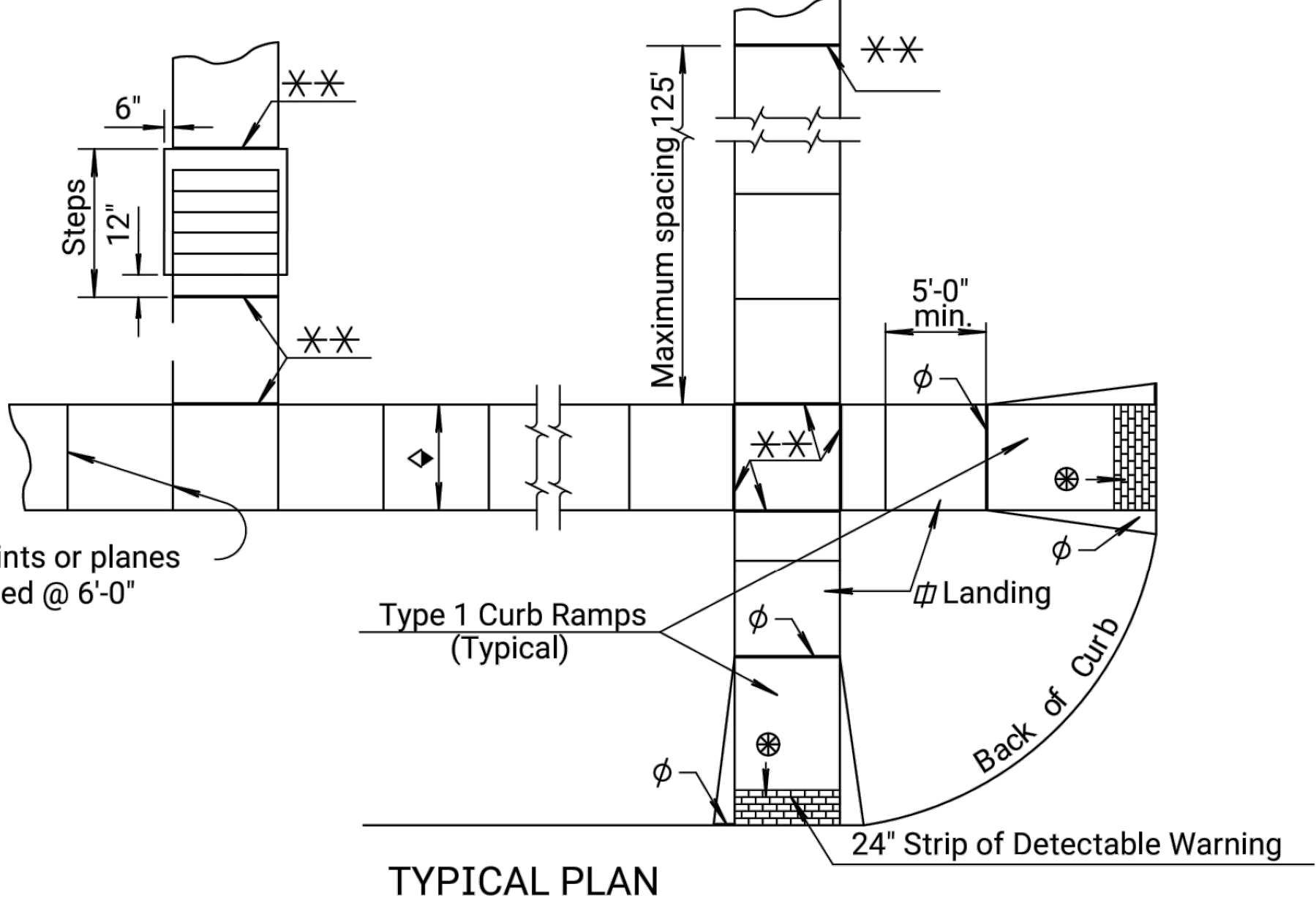
✧ Use a landing slope of 2% or flatter. Landings are the same width as ramps and adjacent sidewalk with a length measured in the direction of the street crossing of 5'-0" (min). Landings are not required where the ramp running slope is 5% or flatter.

✧ Use a counter slope of 5% or flatter at the base of curb ramps. Refer to Standard Drawing RD725A for additional curb and gutter details.

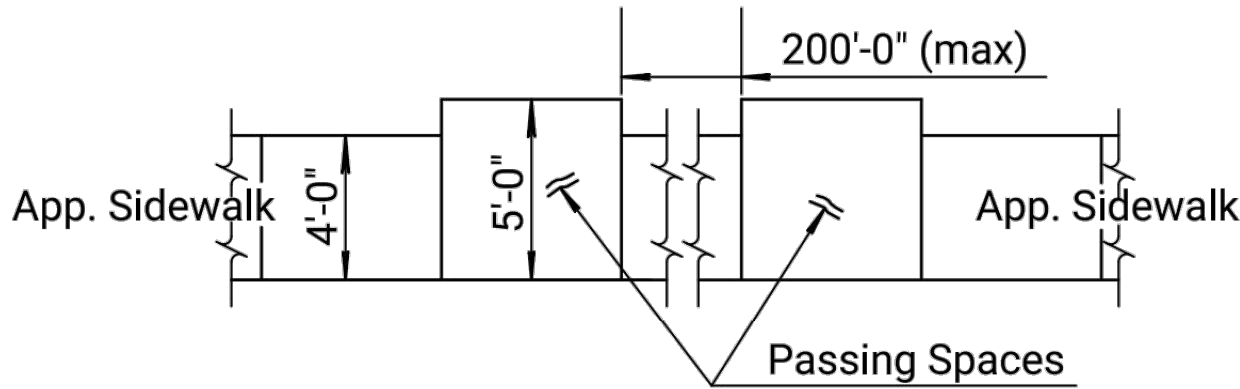
⊗ Detectable warning installation is typical and required on Perpendicular Ramps (Type 1), Parallel Ramps (Type 2), Blended Transitions (Type 3), median ramp crossings with widths greater than or equal to 6'-0", and other locations as shown in the plans. Install detectable warnings parallel to pedestrian travel except where otherwise shown in the plans. See Standard Drawing RD725A for additional details.

Use flared sides in place of curbed sides as shown in Flared Side Alt. when not located adjacent to landscaping, street furniture, chains, fencing, or railing. Curbed sides are not permitted within the pedestrian access route. See PROWAG for pedestrian access route definition.

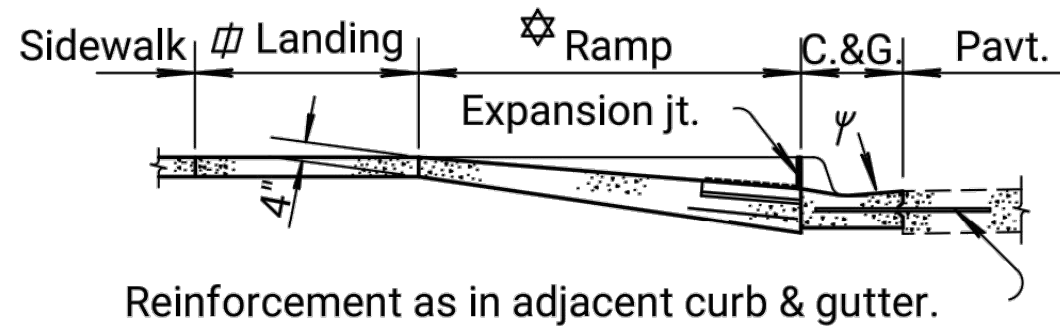
Construction joints or planes of weakness spaced @ 6'-0" ctrs. or less.



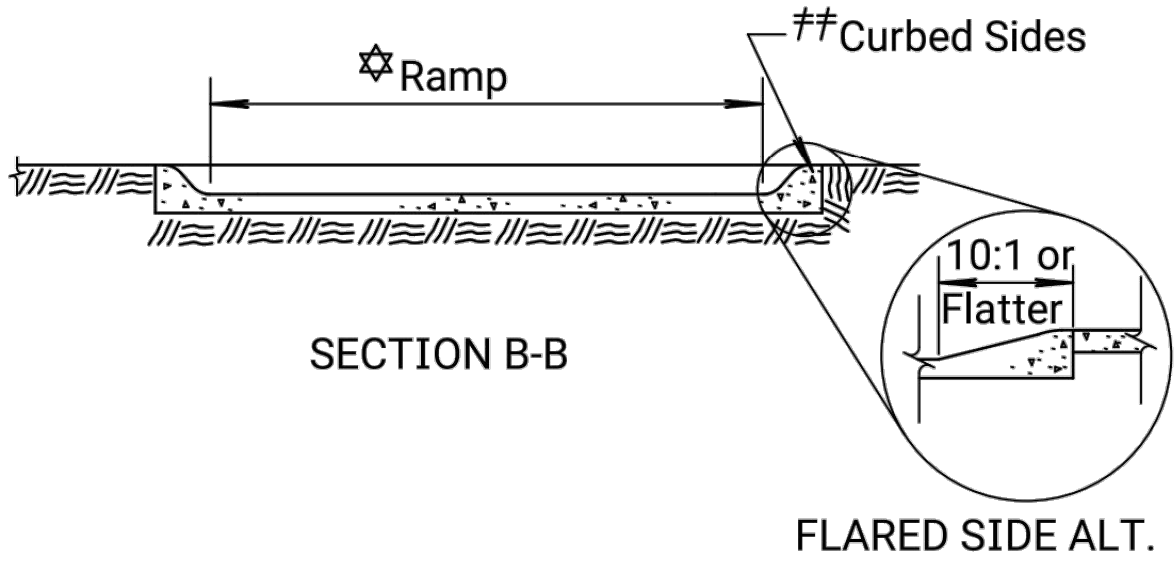
TYPICAL PLAN



PASSING SPACE
DETAIL

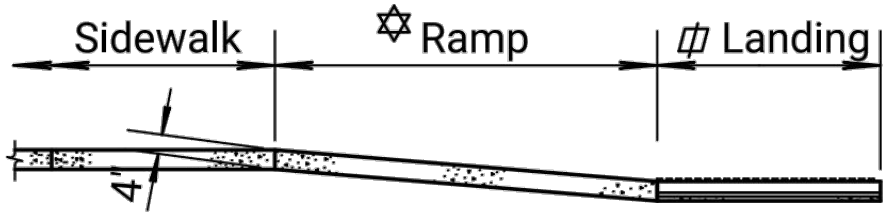


SECTION A-A

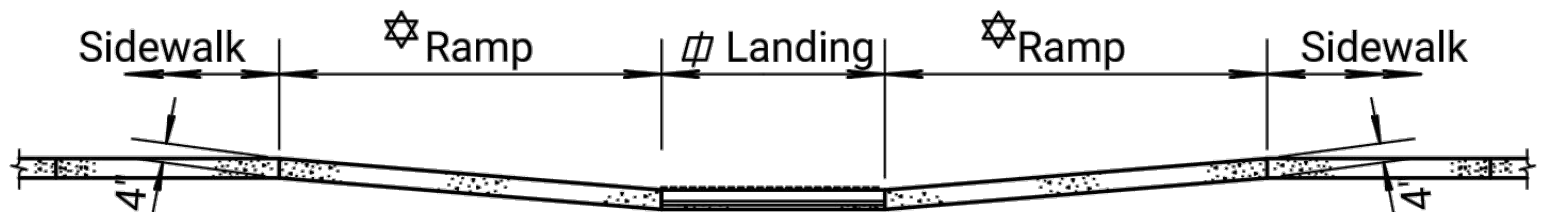


SECTION B-B

FLARED SIDE ALT.



SECTION C-C



SECTION D-D

GENERAL NOTES

Construct sidewalk and ramps in accordance with the current Public Rights of Way Accessibility Guidelines (PROWAG).

The details depicted here may not be appropriate for all locations. Construct to meet this criteria on all roadway alteration projects as defined by the Department of Justice/ Department of Transportation Joint Technical Assistance on ADA Title II Requirements. For an existing sidewalk facility where the sidewalk will be replaced, replace sidewalk in accordance with PROWAG.

Details shown on this sheet apply to newly constructed and existing sidewalk and ramps where roadway alteration projects take place. See KDOT's Standard Specifications for additional information.

Provide ramps at all corners of street intersections where there is an existing or proposed sidewalk and curb. Provide curb ramps at mid-block walk locations for hospitals, medical centers, and athletic stadiums.

Locate ramps as shown on the plans or as directed by the Engineer.

Do not place drainage structures in line with ramps except where existing drainage structures are being utilized in the new construction. Ramp locations should take precedence over the location of drainage structures. Where existing manhole access lids are located on ramps within the area of the detectable warnings and the manhole lid cannot be removed or relocated; install a lid with a detectable warning surface in accordance with PROWAG. Limit drainage across ramps where practicable.

Construct ramps with uniform grade free of sags and short grade changes.

Place ¾" Redwood expansion joints flush with the surface at a maximum spacing of 125'. Place ¾" Redwood expansion joints at sidewalk junctions, see plan details. Where sidewalk abuts a curb place ¾" Redwood board expansion joint flush with the surface.

Place ½" premolded (Type B or C) joint filler where sidewalk is parallel and adjacent to a rigid surface.

▲ Place sidewalk shown to be constructed in back of an entrance 6" thick with welded wire mesh reinforcement. Gauge and spacing of wires are the same as entrance pavement (See Reinforcement Diagram). The bid item will be "Sidewalk Constructiton" either with or without air entrainment. Macro fiber reinforcement may be substituted for welded wire. See KDOT's Standard Specifications for additional information. Slope sidewalk toward the street at 2% or flatter. Slope or depress sidewalk where necessary to fit alleys and entrances, see plans for details.

Contractor may opt to use Concrete Grade 3.0 (AE) throughout for construction of steps, but all work and materials are paid for under the bid item "Grade 3.0 Conc. (Misc.)".

All work and materials needed to construct sidewalk will be paid for under the bid item "Sidewalk Construction".

All work and materials needed to construct ramps will be paid for under the bid item "Sidewalk Ramps".

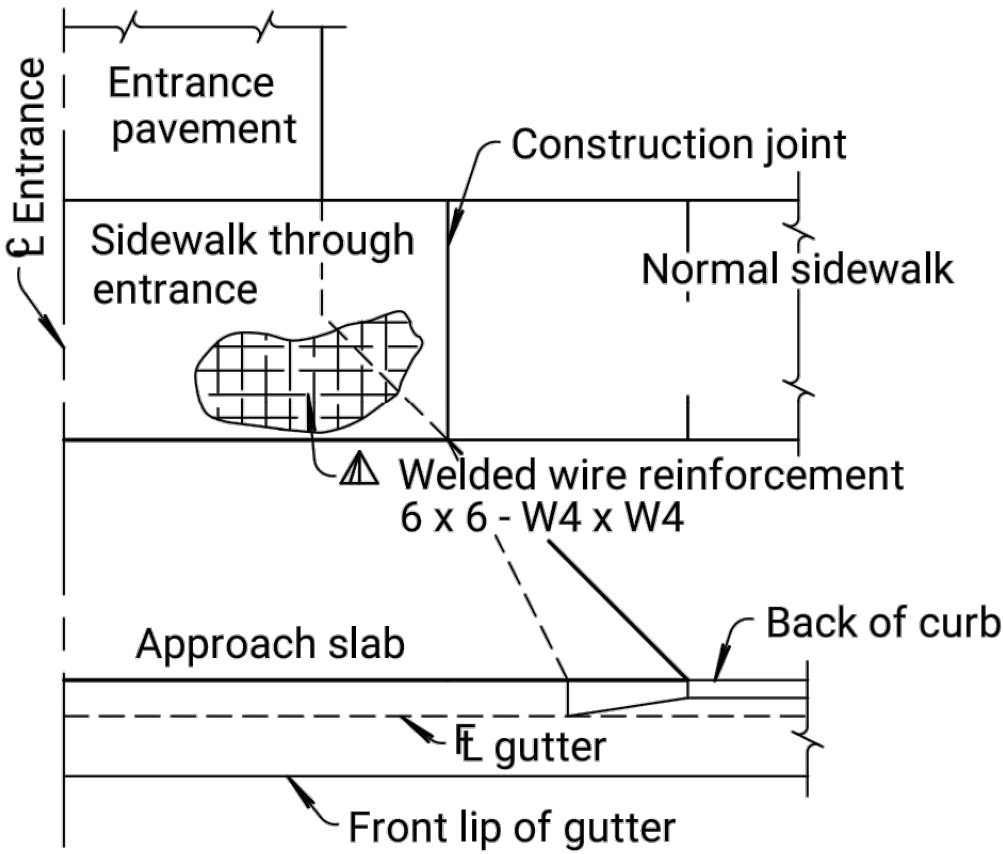
See Standard Drawing RD725A for additional information.

Ramps shall be present at each end of a crosswalk.

For handrails with steps see Standard Drawing RD725B for details.

For handrails with ramps see Standard Drawing RD725C for details.

For alley and entrance pavement see Standard Drawing RD726 for details.



REINFORCEMENT DIAGRAM
SIDEWALK THROUGH ENTRANCE

13	10-31-17	Joint Filler Type C Added	A.L.R.	S.W.K.
12	2-23-17	Rev. Ramp Typ., Gen. Note, & Details	T.T.R.	S.W.K.
11	10-17-11	Revised General Note	S.W.K.	J.O.B.
10	5-23-11	Revised notes	S.W.K.	J.O.B.
NO.	DATE	REVISIONS	BY	APPD

KANSAS DEPARTMENT OF TRANSPORTATION			
SIDEWALK, RAMPS, & STEPS			
RD 725			
FHWA APPROVAL		APP'D. SCOTT W. KING	
DESIGNED	3-5-2018	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK. 725	TRACE CK.

KDOT Graphics Certified 03-26-2018

Sh. No. 13

KDOT Graphics Certified

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	15	31

GENERAL NOTES

The angles may be varied to fit special conditions.

Construct entrance approach slab unless otherwise shown.

Where entrance pavement is required to extend beyond the 5' approach slab, follow the extension lines shown to the limit of dimension "Y". Beyond this limit match normal alley or entrance driveway pavement width. The 5' concrete approach slab is shaped as shown regardless of sidewalk location.

Use 1" preformed Expansion Joint Filler (Type B or C) for concrete 1" expansion joint.

Where valley gutter,alley,and/or entrance pavement is the only pavement on the project, Concrete Grade 3.0 (AE) may be used, subgrade paper and joint parting strips are not required.

Construct a longitudinal tied joint at W/2 on slabs greater than 15' in width. Place joints on wider slabs to help guide vehicles entering and leaving the entrance, minimum joint spacing is 6 feet.

Use #4 x 2'-0" deformed tie bars @ 12" spacing as an alternate to welded wire fabric through approach slab joints.

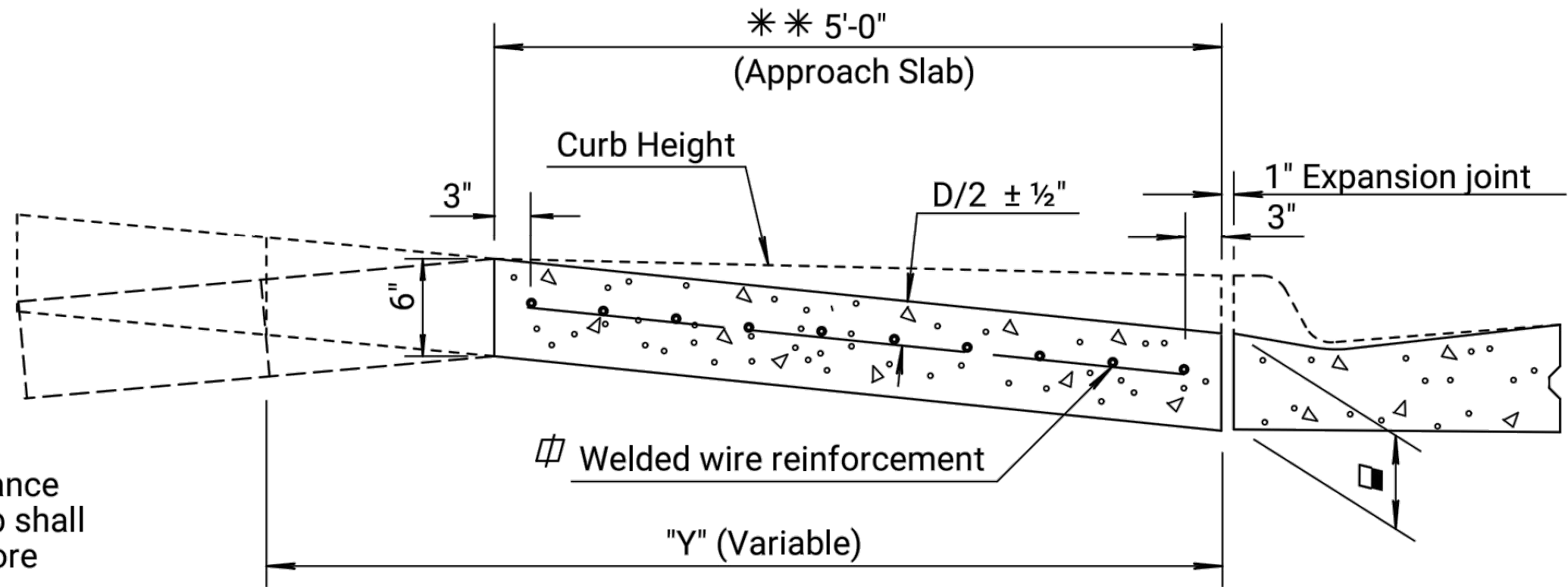
Use chairs for correct vertical placement of welded wire reinforcement and/or tie bars.

No tie bars or wire reinforcement should extend through the joint of the approach slab into the sidewalk or alley.

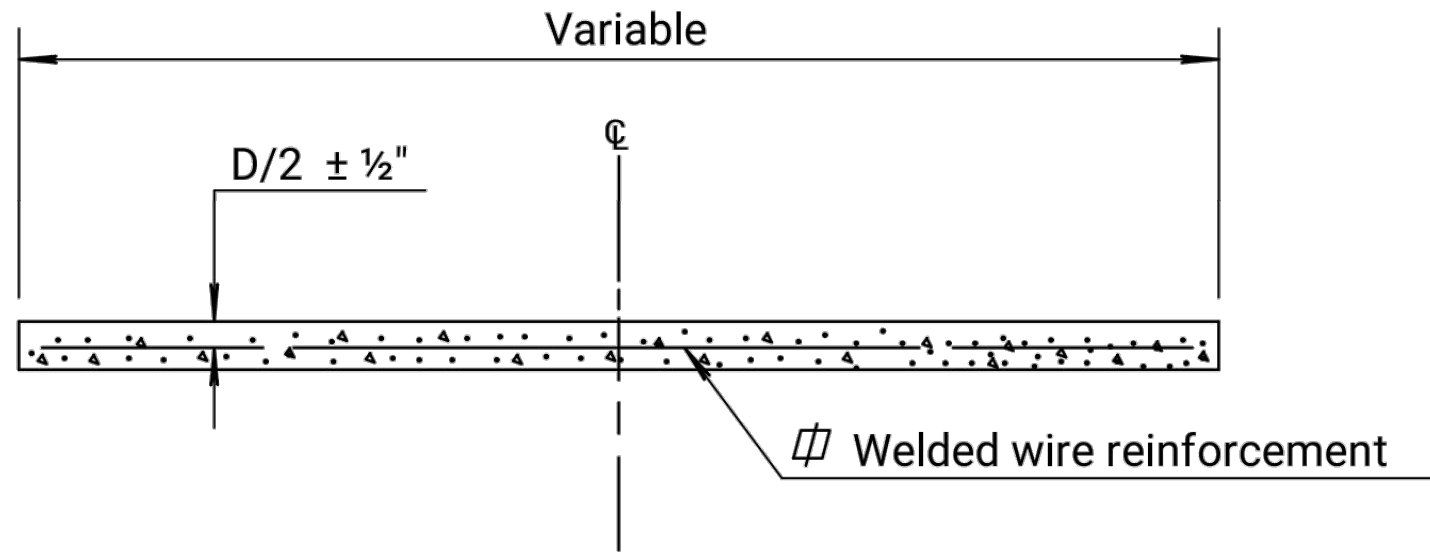
Approx. weight of welded wire reinforcement = 58 lbs. per 100 sq. ft..

Welded wire can be substituted with a macro fiber. See KDOT Standard Specifications for macro fiber and dosage requirements.

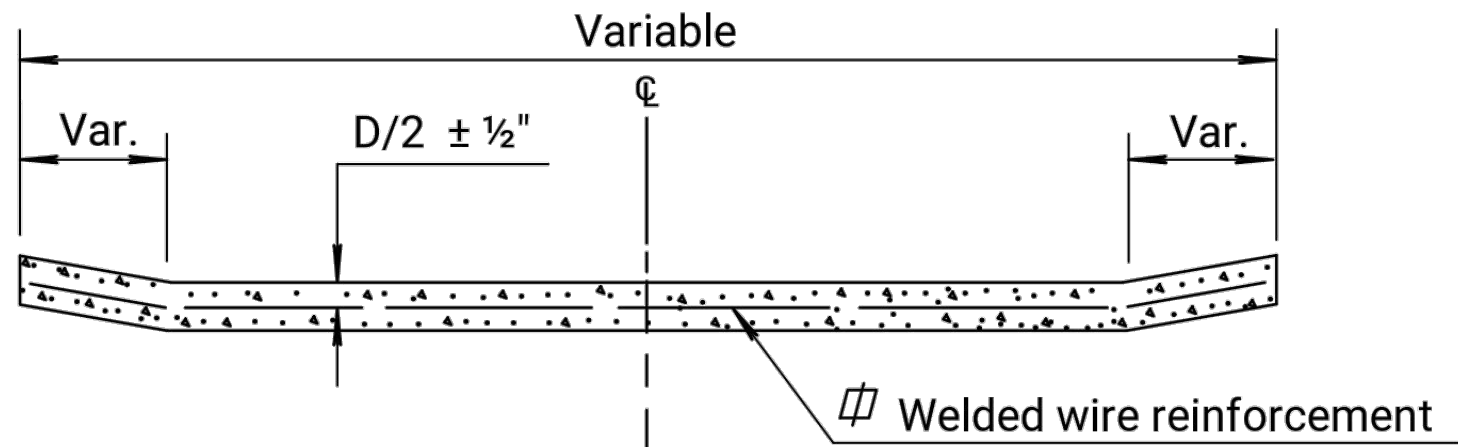
Where sidewalk is constructed through an entrance slope sidewalk toward the street at 2% or flatter.



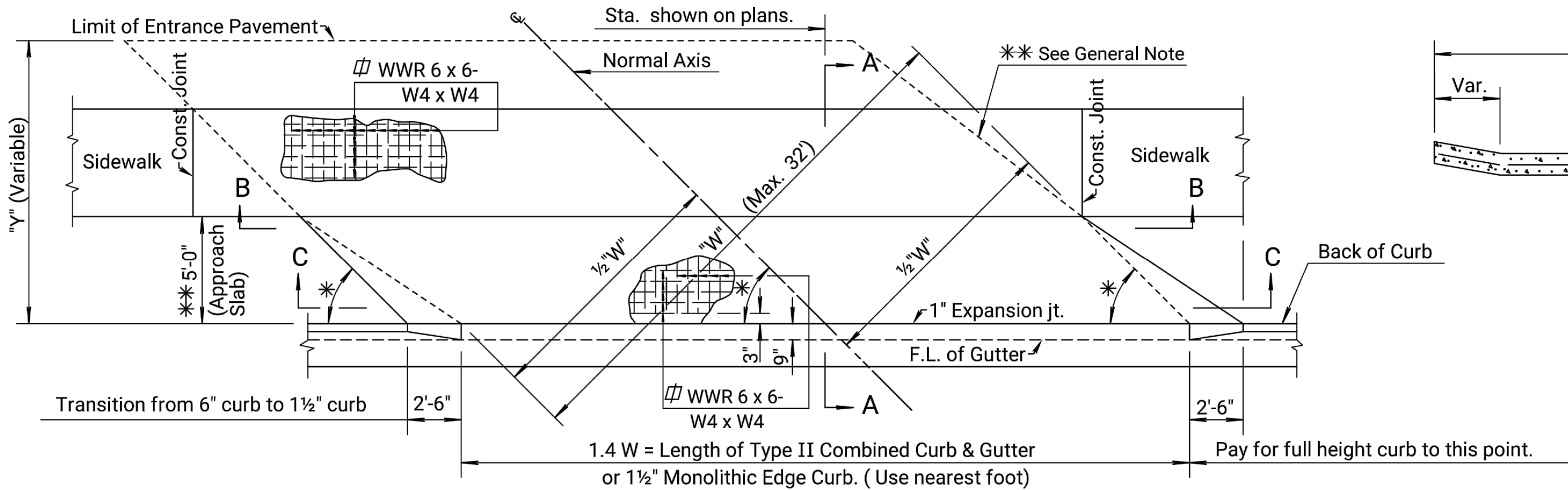
SECTION A-A



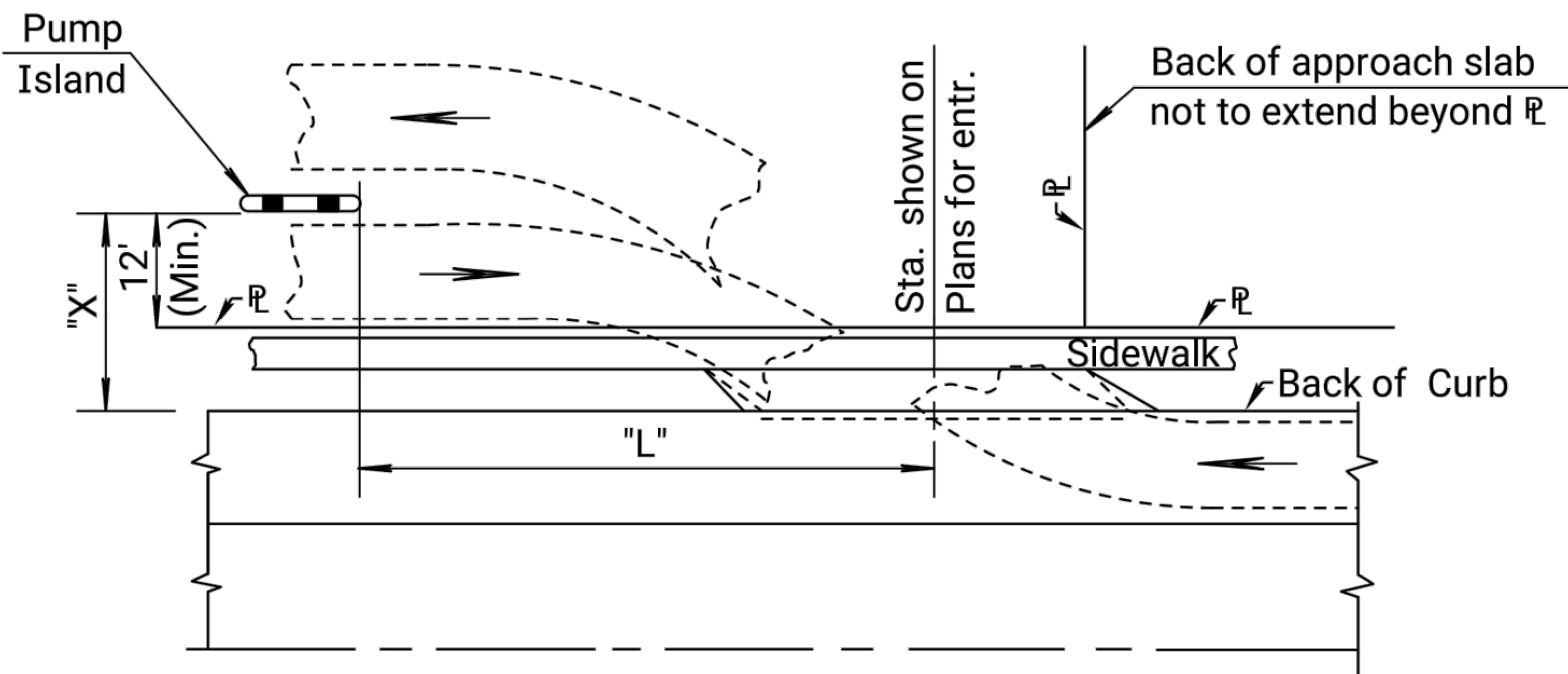
SECTION B-B



SECTION C-C

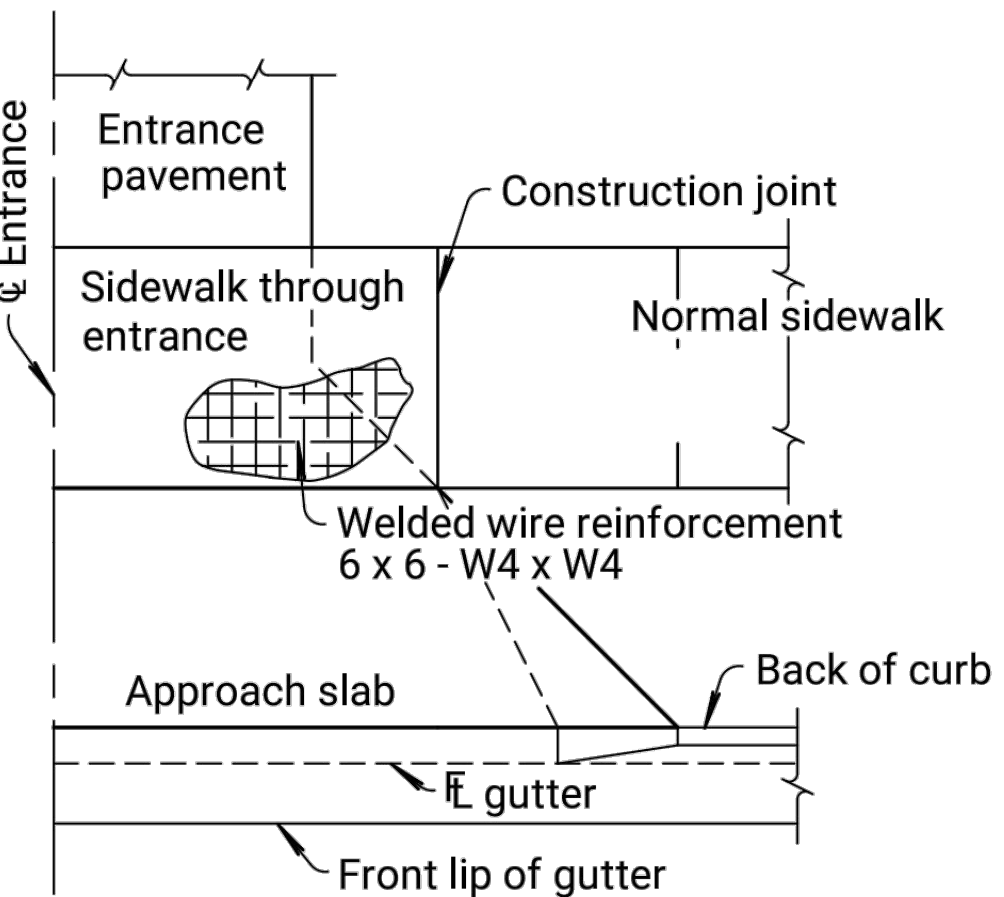


TYPICAL PLAN FOR SKEWED ENTRANCE PAVEMENT



TYPICAL LOCATION SKETCH FOR SKEWED ENTRANCES

Where "X" = 20', then "L" = 55'
Where "X" = 25', then "L" = 60'
Where "X" = 30', then "L" = 65'
Where "X" = 35', then "L" = 68'
Where "X" = 40', then "L" = 70'



REINFORCEMENT DIAGRAM SIDEWALK THROUGH ENTRANCE

See Std. Drawing RD725 & RD725A for additional sidewalk details.

Note: Value of "W" for Normal entrance.
13' min. for Private entrance.
16' min. for Alley.
40' max.

TYPICAL PLAN FOR NORMAL ENTRANCE PAVEMENT

9	10-31-17	Joint Filler Type C Added	A.L.R.	S.W.K.
8	2-23-17	Rev. Gen. Note	T.T.R.	S.W.K.
7	10-20-10	Add. macro fiber opt., General note	S.W.K.	J.O.B.
6	3-30-05	Changed Class to Grade conc., mesh	S.W.K.	J.O.B.
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION			
ALLEY & ENTRANCE PAVEMENT			
RD726			
DESIGNED	3-5-18	APP'D.	SCOTT W. KING
DESIGN CK.	3-5-18	QUANTITIES	QUAN. CK.
DESIGNED	3-5-18	TRACED	TRACED
DESIGN CK.	3-5-18	QUAN. CK.	QUAN. CK.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	16	31

SUMMARY OF COMMON EXCAVATION				
NORTH SIDEWALK ALIGNMENT				
#	BEGIN STA	AREA	DEPTH	QUANTITY
		SQFT	FT	CUYD
1	11+61.37	373.27	0.33	4.56
2	18+90.53	73.28	0.33	0.90
3	21.62.22	96.03	0.33	1.17
4	22+69.96	491.95	0.33	6.01
5	23+74.60	134.67	0.33	1.65
6	30+96.69	511.07	0.33	6.25
7	35+35.92	90.29	0.33	1.10
8	35+75.94	219.02	0.33	2.68
9	37+11.95	209.84	0.33	2.56
10	37+51.92	104.56	0.33	1.28
11	37+86.74	92.60	0.33	1.13
Total North Sidewalk Alignment				29.29
SOUTH SIDEWALK ALIGNMENT				
#	BEGIN STA	AREA	DEPTH	QUANTITY
		SQFT	FT	CUYD
1	47+48.96	242.65	0.33	2.97
2	48+18.59	333.62	0.33	4.08
3	49+27.88	35.27	0.33	0.43
4	50+41.24	142.71	0.33	1.74
Total South Sidewalk Alignment				9.22
Total of Both Alignments				38.51

SUMMARY OF CURB AND GUTTER, COMBINED (AE)					
NORTH SIDEWALK ALIGNMENT					
#	STA	LENGTH	LOCATION	TYPE	QUANTITY
		LF			LF
1	10+20.07	21.56	Ramp	Type II	21.56
2	10+54.85	18.41	Ramp	Type II	18.41
3	15+10.13	23.12	Ramp	Type II	23.12
4	15+61.54	41.00	Ramp	Type II	41.00
5	16+33.84	18.92	Ramp	Type II	18.92
6	17+23.31	16	Drive	Type II	16.00
7	17+34.22	16.01	Drive	Type II	16.01
8	19+18.84	17.78	Drive	Type II	17.78
9	19+41.75	22.58	Drive	Type II	22.58
10	20+61.09	17.47	Drive	Type II	17.47
11	20+71.95	18.01	Drive	Type II	18.01
12	21+61.62	16.03	Ramp	Type II	16.03
13	21+62.91	13.21	Ramp	Type II	13.21
14	23+20.85	33.86	Drive	Type II	33.86
15	23+53.48	34.36	Ramp	Type II	34.36
16	25+11.67	36.41	Drive	Type II	36.41
17	25+28.04	37.81	Drive	Type II	37.81
18	28+20.73	17.21	Drive	Type II	17.21
19	28+33.73	17.13	Drive	Type II	17.13
20	29+07.62	15.02	Ramp	Type II	15.02
21	29+68.16	65.74	Ramp	Type II	65.74
22	30+37.52	29.19	Drive	Type II	29.19
23	30+67.92	114	Drive	Type II	114.00
24	33+39.07	23.94	Ramp	Type II	23.94
25	33+62.80	13.91	Ramp	Type II	13.91
26	33+82.49	24.75	Ramp	Type II	24.75
Total North Alignment					723.43

SOUTH SIDEWALK ALIGNMENT					
1	40+14.45	23.05	Ramp	Type II	23.05
2	40+43.71	19.66	Ramp	Type II	19.66
3	40+85.09	8.4	Drive	Type II	8.40
4	41+17.81	8.48	Drive	Type II	8.48
5	41+50.80	8.41	Drive	Type II	8.41
6	41+78.74	8.32	Drive	Type II	8.32
7	42+05.27	8.86	Drive	Type II	8.86
8	42+55.95	54.69	Drive	Type II	54.69
9	43+32.33	47.18	Drive	Type II	47.18
10	43+94.64	13.92	Ramp	Type II	13.92
11	44+27.35	16.92	Ramp	Type II	16.92
12	44+39.47	13.05	Drive	Type II	13.05
13	47+66.43	42.7	Ramp	Type II	42.70
Total South Alignment					273.64

ROCK EXCAVATION									
NORTH SIDEWALK ALIGNMENT									
#	STA	WIDTH	LENGTH	DEPTH	~DESCRIPTION	QUANTITY	AREA	DEPTH	QUANTITY
		FT	FT	FT		CUYD	SQFT	FT	CUYD
1	10+19.90	2	21.56	1	Curb	1.60			0.00
2	10+54.16	2	18.41	1	Curb	1.36			0.00
3	13+54.11				Driveway	0.00	852.73	0.5	15.79
4	15+12.98	2	23.12	1	Curb	1.71			0.00
5	15+60.61	2	41.01	1	Curb	3.04			0.00
6	16+33.79	2	18.9	1	Curb	1.40			
7	17+30.58				Driveway	0.00	244.52	0.5	4.53
8	18+90.84				Driveway	0.00	89.65	0.5	1.66
9	19+30.34				Driveway	0.00	542.68	0.5	10.05
10	20+67.51				Driveway	0.00	243.44	0.5	4.51
11	21+61.59	2	13.21	1	Curb	0.98			0.00
12	21+62.85	2	16.02	1	Curb	1.19			0.00
13	23+38.72				Driveway	0.00	948.64	0.5	17.57
14	25+20.34				Driveway	0.00	699.84	0.5	12.96
15	28+30.43				Driveway	0.00	288.24	0.5	5.34
16	29+07.41	2	15.02	1	Curb	1.11			0.00
17	29+45.05	2	14.02	1	Curb	1.04			0.00
18	30+38.30				Driveway	0.00	2234.886	0.5	41.39
19	32+14.10				Driveway	0.00	989.87	0.5	18.33
20	33+31.37	2	23.94	1	Curb	1.77			0.00
21	34+58.72				Driveway	0.00	2084.83	0.5	38.61
22	35+76.22				Driveway	0.00	126.36	0.5	2.34

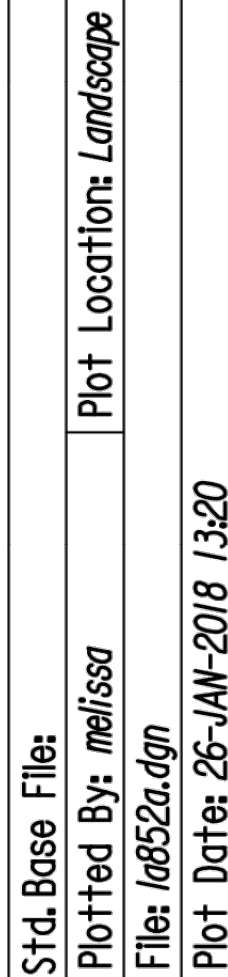
SOUTH SIDEWALK ALIGNMENT									
#	STA	WIDTH	LENGTH	DEPTH	~DESCRIPTION	QUANTITY	AREA	DEPTH	QUANTITY
		FT	FT	FT		CUYD	SQFT	FT	CUYD
1	40+15.57				Driveway	0.00	134.16	0.5	2.48
2	40+43.25	2	19.66	1	Curb	1.46			0.00
3	41+01.60				Driveway	0.00	310.22	0.5	5.74
4	41+64.60				Driveway	0.00	267.38	0.5	4.95
5	42+12.97				Driveway	0.00	149.27	0.5	2.76
6	43+28.95				Driveway	0.00	2190.6395	0.5	40.57
7	44+27.19	2	16.92	1	Curb	1.25			0.00
8	44+99.71				Driveway	0.00	2027.85	0.5	37.55
9	46+18.86				Driveway	0.00	1933.69	0.5	35.81
10	47+42.24	2	44.2	1	Curb	3.27			0.00
11	49+99.14				Driveway	0.00	775.86	0.5	14.37
Total of Both Alignments									338.49

SUMMARY OF CONCRETE PAVEMENT (6" UNIFORM)(AE)					
NORTH SIDEWALK ALIGNMENT					
#	STA	WIDTH	LENGTH	LOCATION	QUANTITY
		FT	FT		SQYD
1	11+61.38	35.65	10.53	Drive	44.4
2	13+53.95	60.57	14.21	Drive	98.3
3	17+30.58			Drive	22.9
4	18+90.83	13.85	11.94	Drive	21.1
5	19+31.69			Drive	51.6
6	20+66.69	10.83	14.46	Drive	20.1
7	23+38.72			Drive	89.2
8	25+19.93			Drive	62.0
9	28+23.47	12.8	17.17	Drive	24.4
10	30+09.44	32.9	9.03	Drive	35.7
11	30+70.35	33.82	8.99	Drive	36.5
12	31+30.96	21.78	23.54	Drive	59.7
13	32+14.08			Drive	112.7
14	34+59.45	120.36	9	Drive	123.1
15	35+35.92	10.33	7.86	Drive	11.7
16	35+76.22			Drive	38.5
North Alignment					851.8

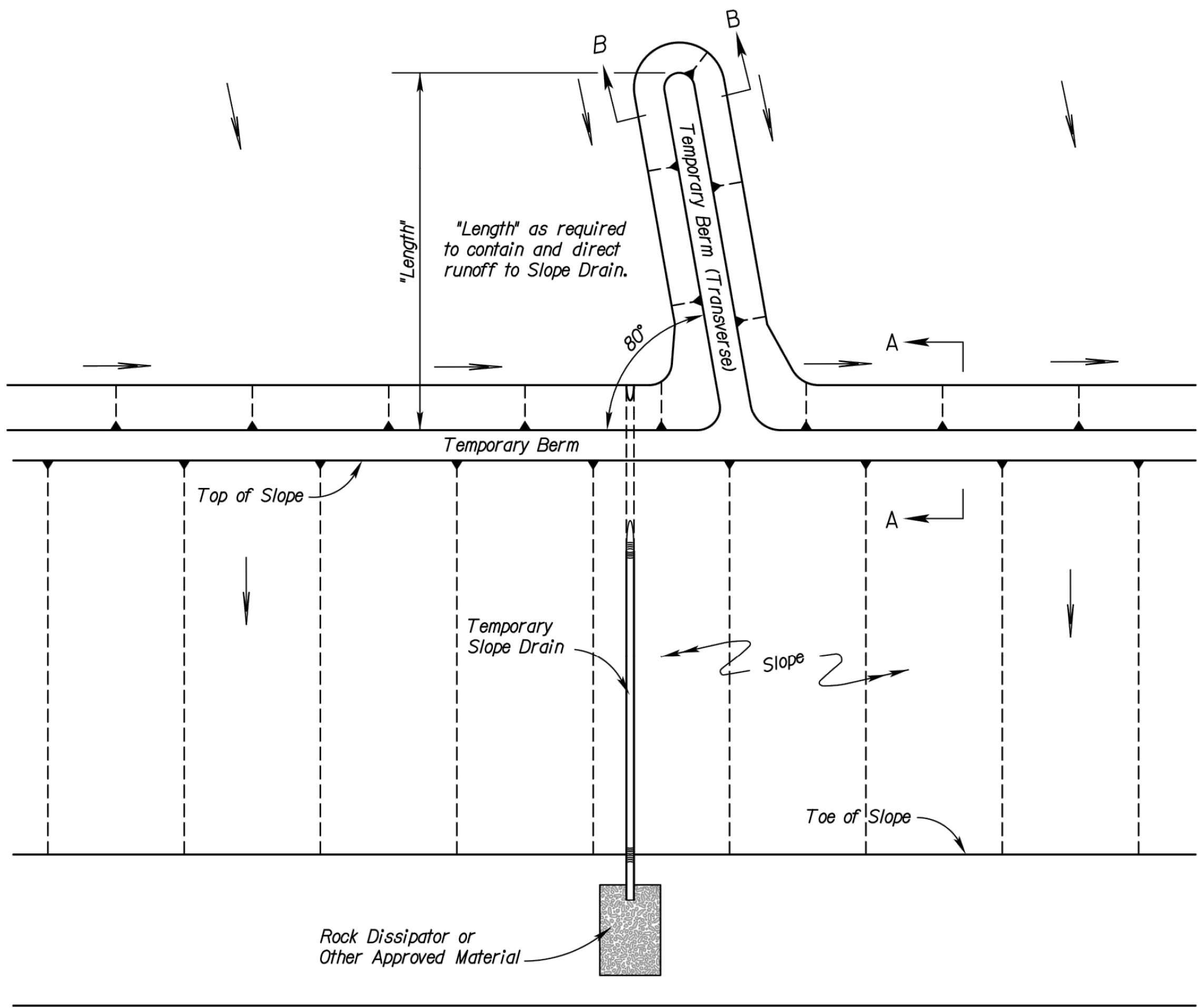
SOUTH SIDEWALK ALIGNMENT					
1	41+01.60			Drive	32.3
2	41+64.60			Drive	27.7
3	42+12.97			Drive	16.8
4	43+40.49			Drive	172.5
5	44+95.73			Alley	95.8
6	46+12.38	45.34	10.58	Drive	56.0
7	47+19.85			Drive	39.5
8	50+10.61	36.2	17.62	Drive	73.6
South Alignment					514.2
Total Both Alignments					1366.0

SUMMARY OF SIDEWALK CONSTRUCTION (4")(AE)					
NORTH SIDEWALK ALIGNMENT					
#	BEGIN STA	END STA	LENGTH	WIDTH	QUANTITY
			FT	FT	SQYD
1	10+00.00	10+06.00	6.00	6.00	4.00
2	10+68.99	11+43.57	74.58	6.00	49.72
3	11+79.26	13+23.88	144.62	6.00	96.41
4	13+84.42	14+99.90	115.48	6.00	76.99
5	15+74.39		13.48	6.00	20.18
6	16+43.95				19.46
7	16+59.02	17+21.49	62.47	8.00	55.53
8	17+36.96	18+83.76	146.80	8.00	130.49
9	18+97.31				11.71
10	19+52.72	20+60.32	107.60	8.00	95.64
11	20+75.16	23+08.99	233.83	8.00	207.85
12	21+62.86		40.85	1.00	4.52
13	23+70.65	25+09.67	139.02	8.00	123.57
14	25+30.04	28+18.74	288.70	8.00	256.62
15	28+35.71	28+90.18	54.47	8.00	48.42
16	29+55.69	29+97.32	41.63	8.00	37.00
17	30+41.86				16.40
18	30+85.12	31+19.60	34.48	6.00	22.99
19	31+41.46	31+85.64	44.18	6.00	29.45
20	33+11.49		25.56	6.00	17.04
21	33+84.39		49.41	6.00	32.94
22	35+20.34	35+30.09	9.75	6.00	6.50
23	35+41.71	35+66.13	24.42	6.00	16.28
24	35+85.97	36+94.12	108.15	6.00	72.10
25	37+02.61		14.34	6.00	9.56
26	37+60.68		7.76	6.00	5.17
27	37+86.74		5.95	6.00	3.97
Total North Sidewalk Alignment					1470.51

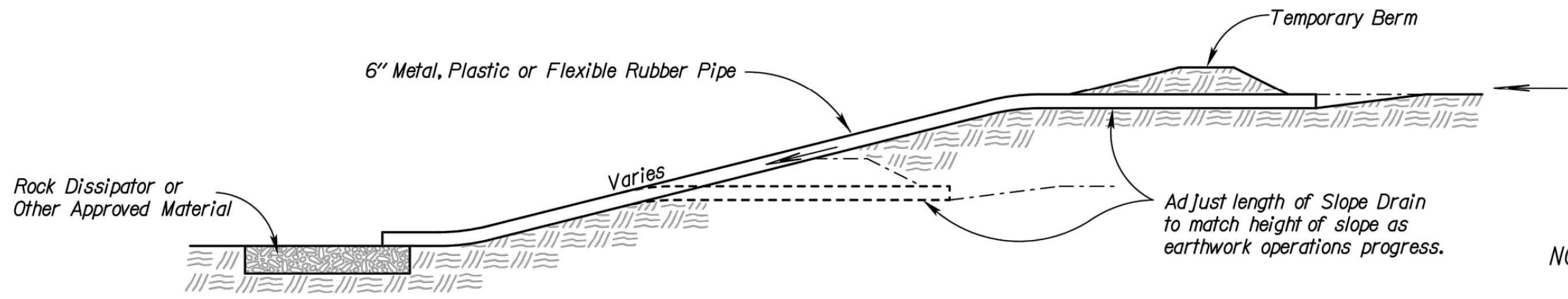
SOUTH SIDEWALK ALIGNMENT					
#	BEGIN STA	END STA	LENGTH	WIDTH	QUANTITY
1	40+59.17	40+83.07	23.90	6.00	15.93
2	41+20.25	41+48.51	28.26	6.00	18.84
3	41+81.01	42+02.92	21.91	6.00	14.61
4	42+55.95			6.00	18.63
5	42+96.38			6.00	32.51
6	43+79.82		21.85	6.00	16.13
7	44+44.63		10.04	6.00	6.69
8	44+46.19	44+70.92	24.73	6.00	16.49
9	45+43.75	45+89.19	45.44	6.00	30.29
10	46+34.64	46+93.52	58.88	6.00	39.25
11	47+61.90		53.42	6.00	35.61
12	48+35.37		8.12	6.00	5.41
13	48+36.99		26.51	6.00	17.67
14	48+48.60	49+94.71	146.11	6.00	97.41
15	49+25.92		5.94	3.00	1.98
16	50+31.60	50+55.73	24.13	6.00	16.09
			Total South Sidewalk Alignment		383.55
			Total of Both Alignments		1854.05



STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	18	31



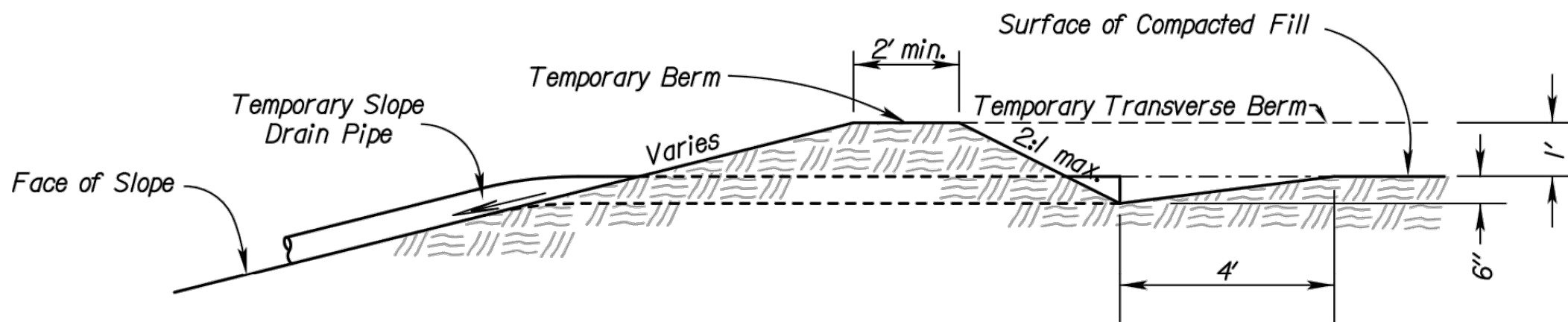
TYPICAL PLAN VIEW OF
TEMPORARY BERM AND
TEMPORARY SLOPE DRAIN
NO SCALE



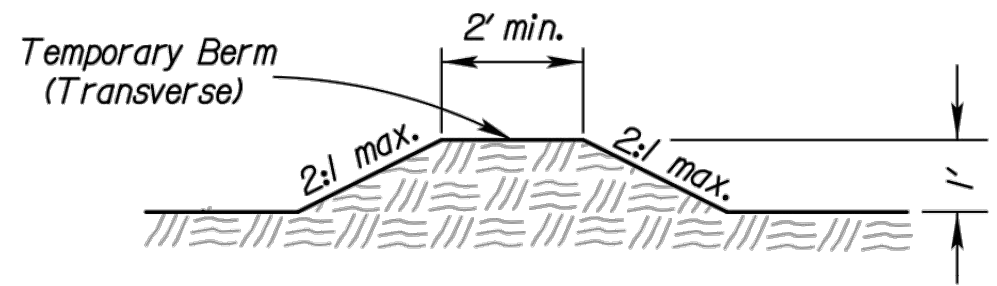
TYPICAL PROFILE OF TEMPORARY SLOPE DRAIN
NO SCALE

NOTES:

- 1) Temporary Slope Drain and Temporary Berm may be used on either project foreslopes or project backslopes.
- 2) Discharge of Slope Drains shall be into stabilized ditch or area, or into Sediment Basin.
- 3) Pipe shall be secured in place as approved by Engineer.
- 4) Temporary Berms under 2,000 feet shall be bid by Set Price.

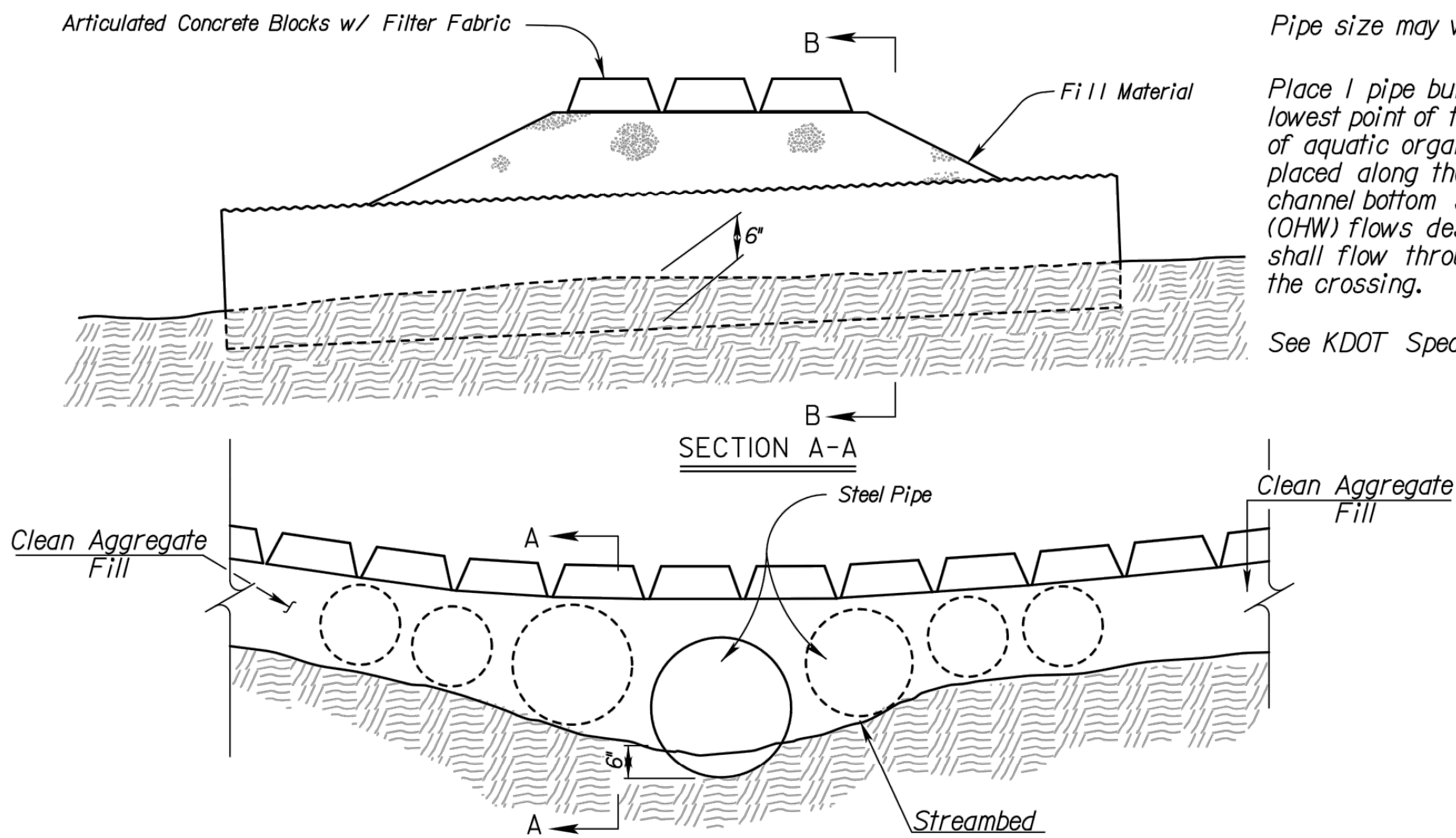


SECTION A-A
NO SCALE



SECTION B-B
NO SCALE

TYPICAL PROFILE OF TEMPORARY BERM
NO SCALE

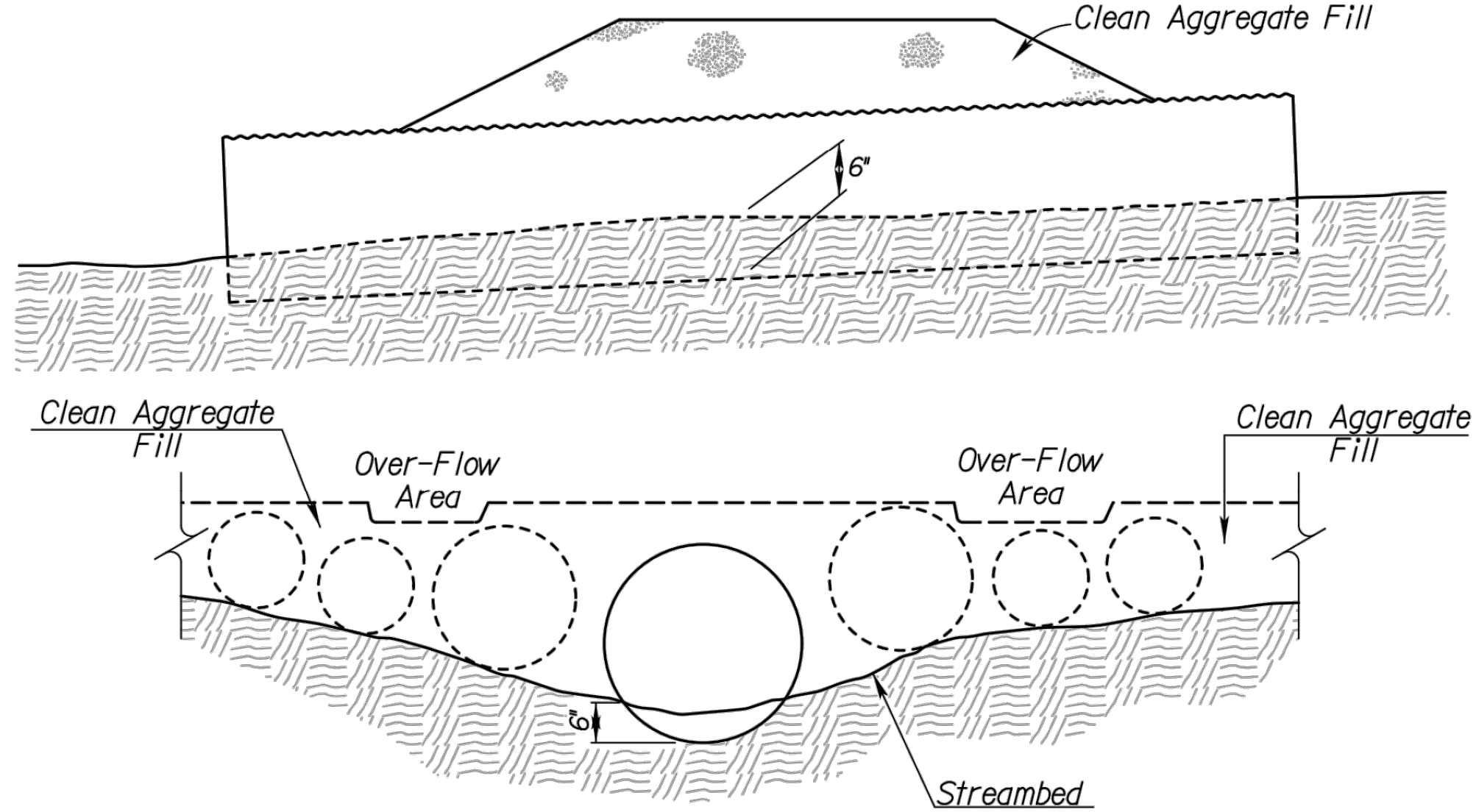


TEMPORARY STREAM CROSSING (ARTICULATED CONCRETE BLOCKS)
NO SCALE

Pipe size may vary

Place 1 pipe buried 6" into stream bottom, in the lowest point of the channel to allow the passage of aquatic organisms, with additional pipes placed along the remainder of the stream channel bottom such that ordinary high water (OHW) flows designated in the Contract Documents shall flow through the pipes without overtopping the crossing.

See KDOT Specifications for more information



SECTION B-B
TEMPORARY STREAM CROSSING (AGGREGATE)
NO SCALE

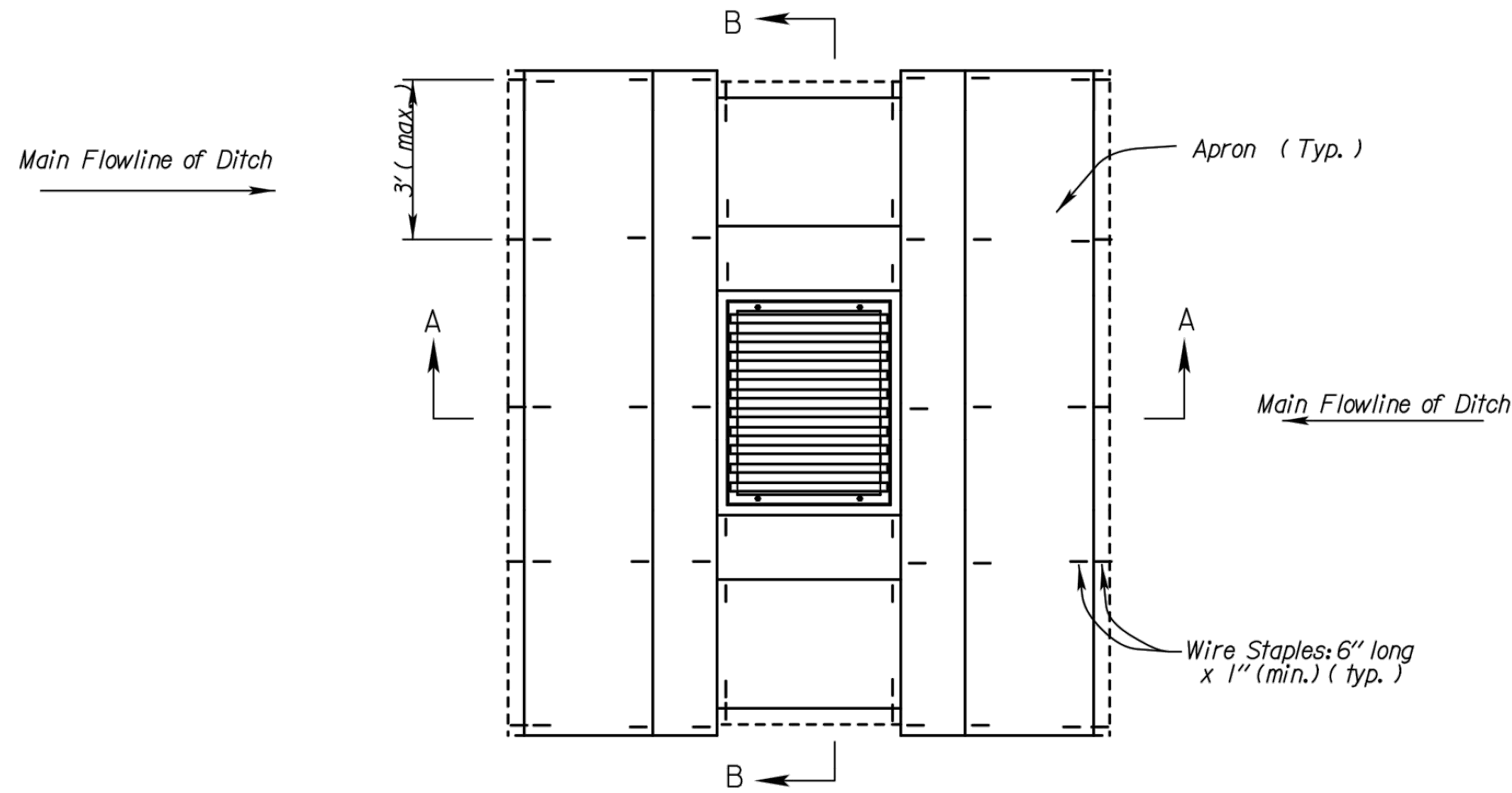
Pipe size may vary

Place 1 pipe buried 6" into stream bottom, in the lowest point of the channel to allow the passage of aquatic organisms, with additional pipes placed along the remainder of the stream channel bottom such that ordinary high water (OHW) flows designated in the Contract Documents shall flow through the pipes without overtopping the crossing.

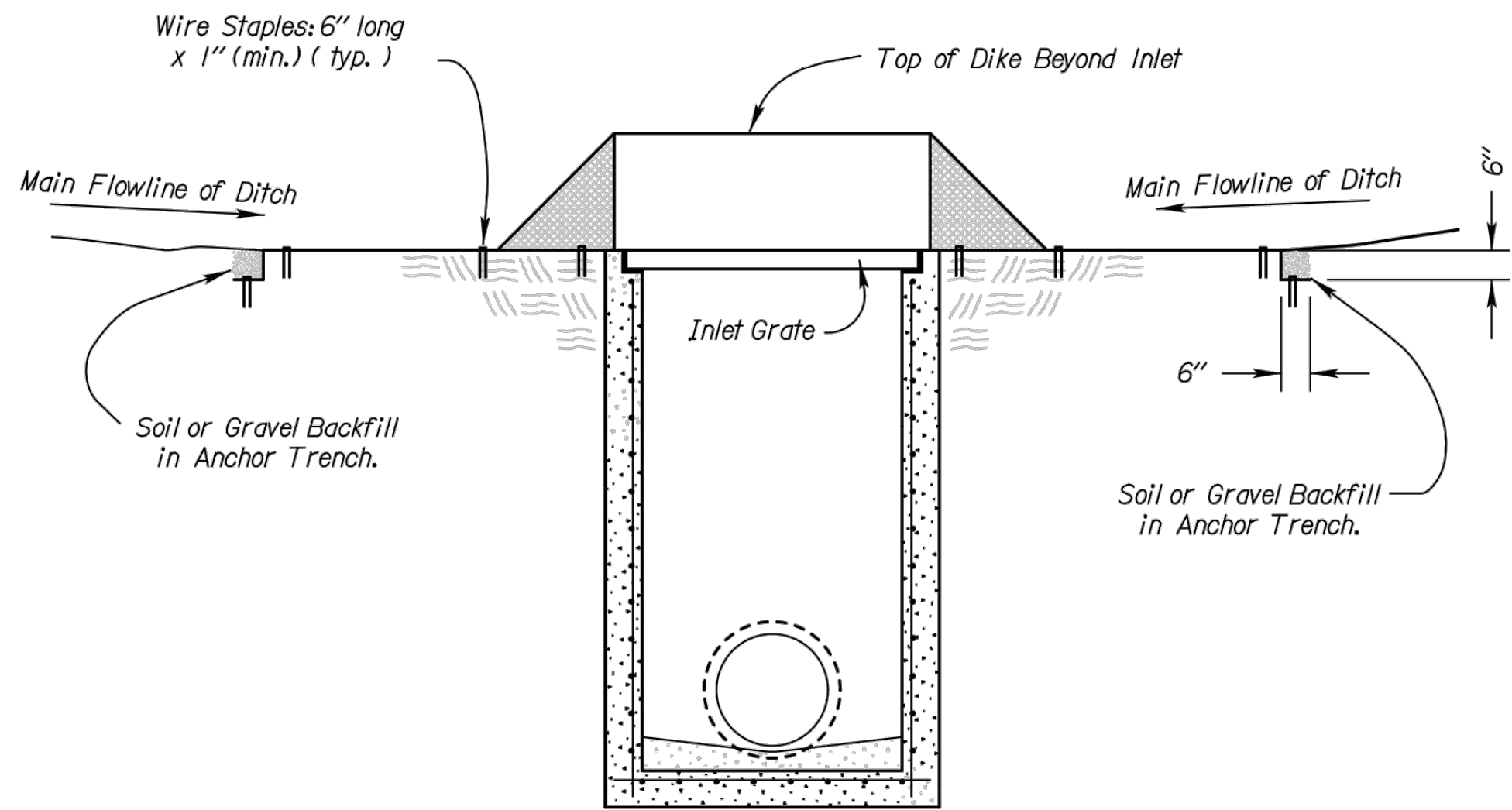
See KDOT Specifications for more information

3	6/11/13	Revised Standard	MRM	SHS
2	11/01/10	Revised Standard	MRM	SHS
1	10/15/10	Revised Standard	WCL	RDR
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION TEMPORARY EROSION AND POLLUTION CONTROL TEMPORARY SLOPE DRAIN TEMPORARY STREAM CROSSING (AGGREGATE) TEMP. STREAM CROSS. (ARTC. CONC. BLOCKS) LA852B				
DESIGNED	MRM	DETAILED	QUANTITIES	SCOTT H. SHIELDS
DESIGN CK.	SHS	DETAIL CK.	QUAN. CK.	CADD CK.

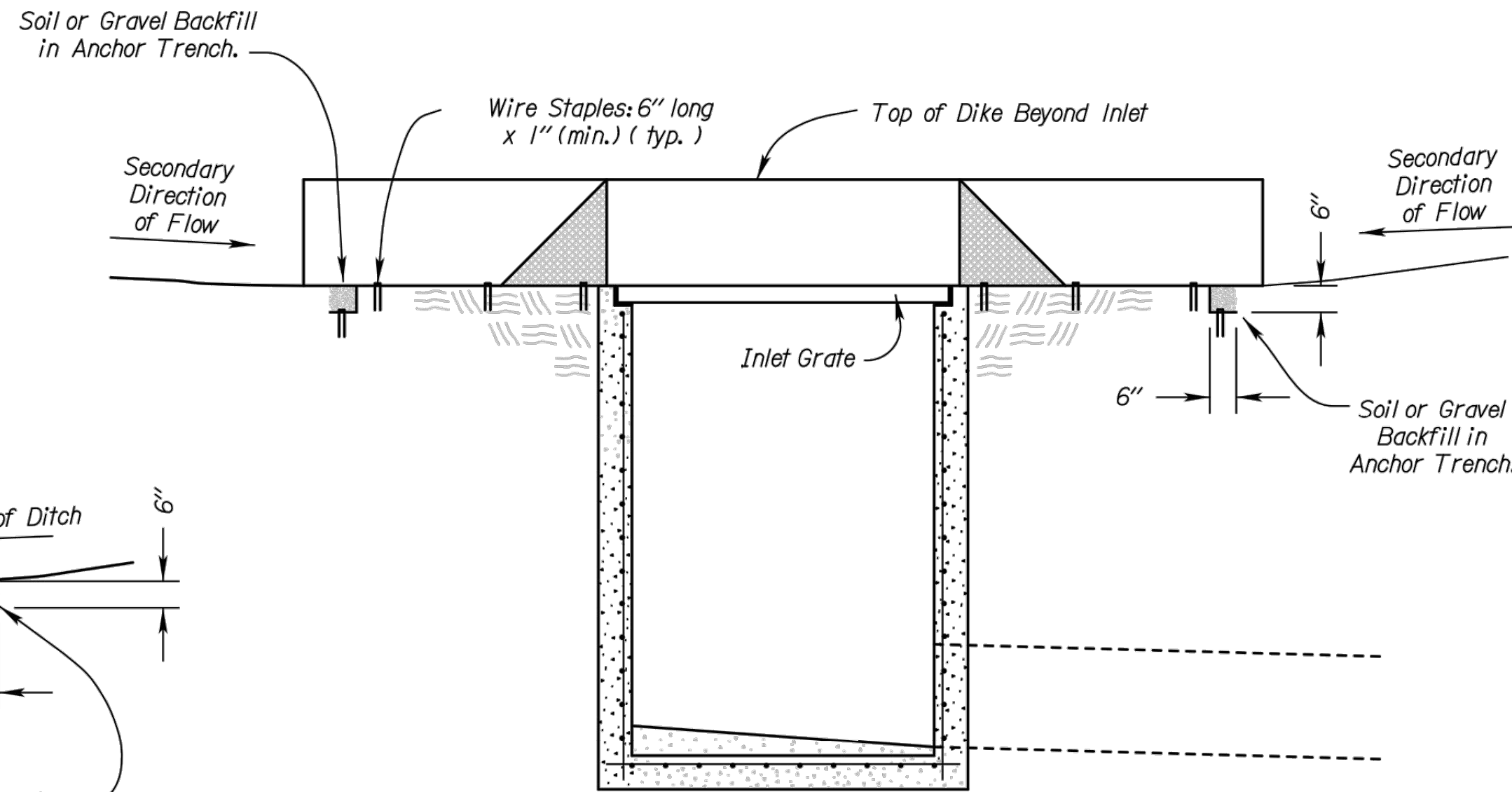
Std. Base File:
Plotted By: rlong
File: la852b.dgn
Plot Location: Bridge Design
Plot Date: 10-OCT-2016 11:44



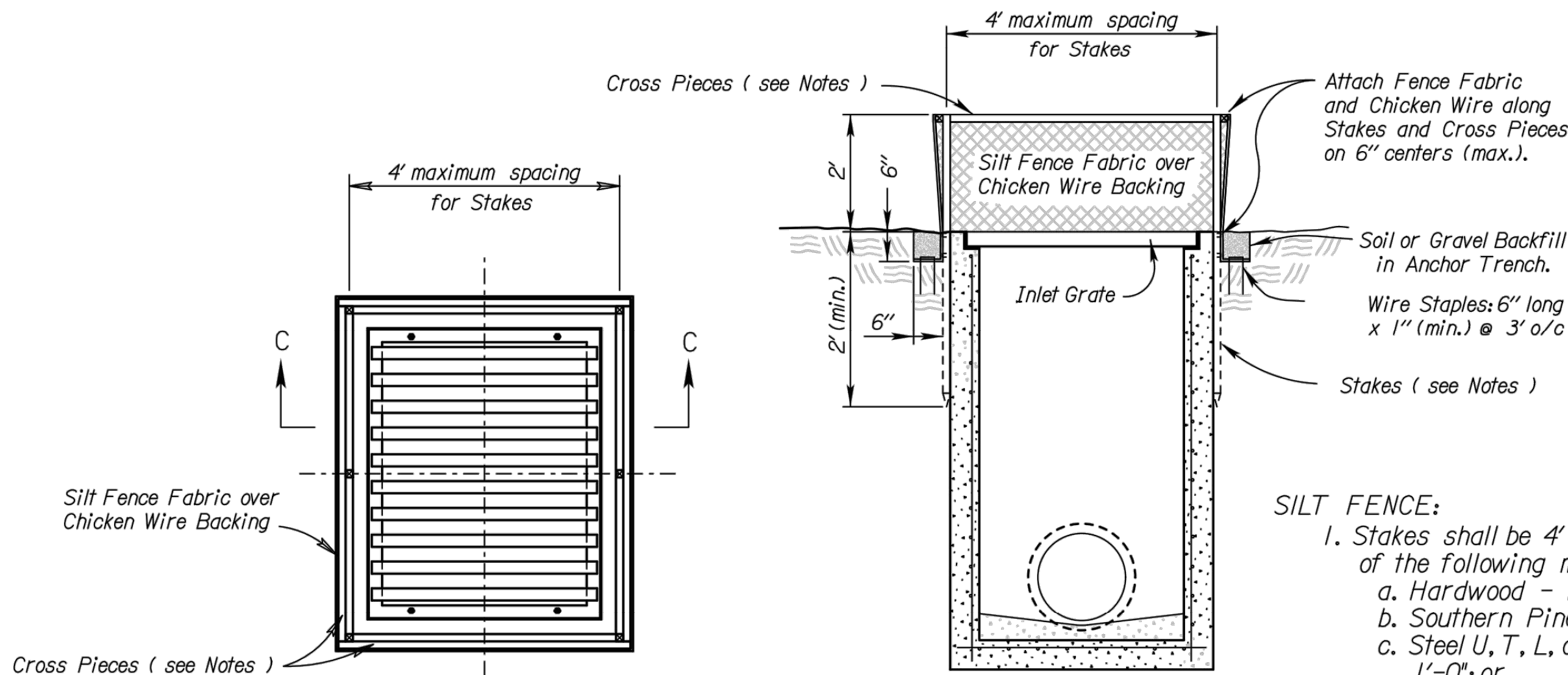
PLAN
TEMPORARY INLET SEDIMENT BARRIER
(TRIANGULAR SILT DIKE METHOD)
NO SCALE



SECTION A - A



SECTION B - B

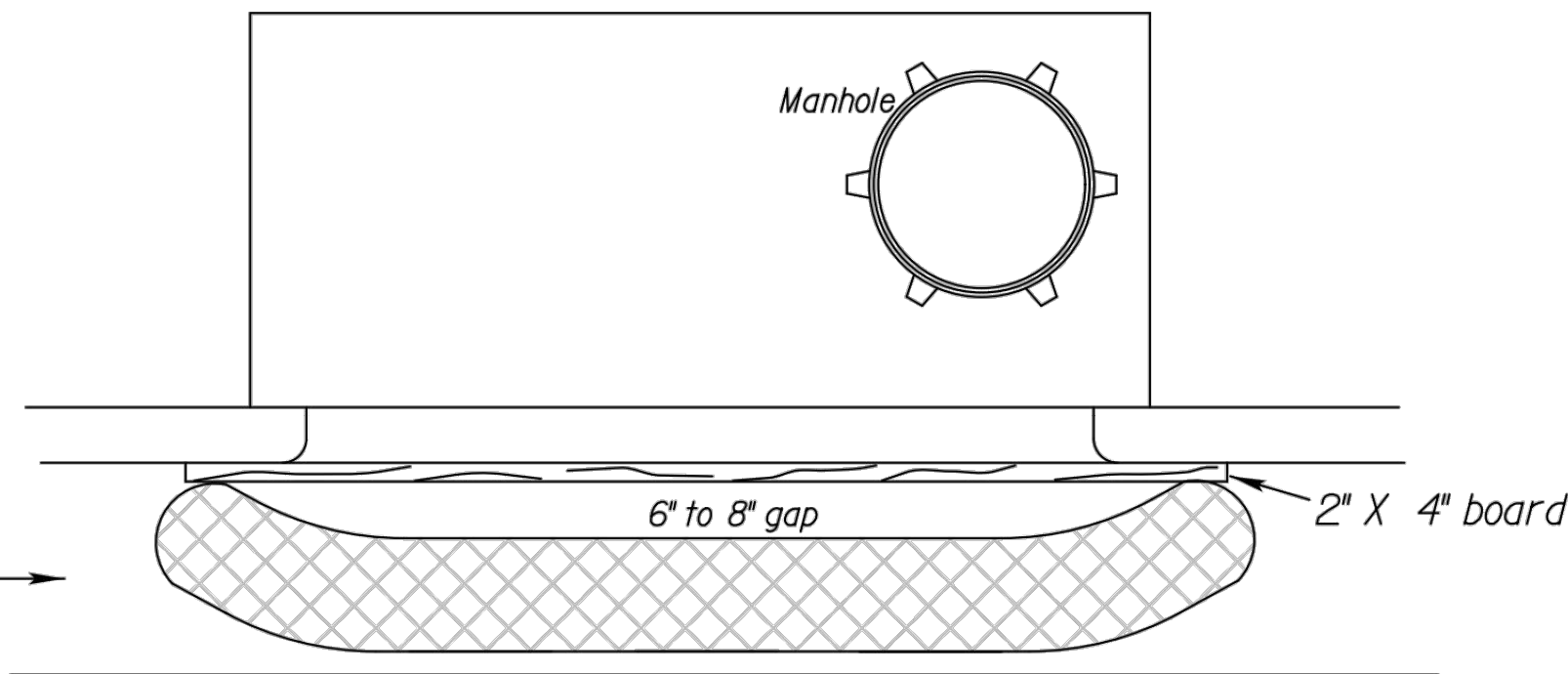
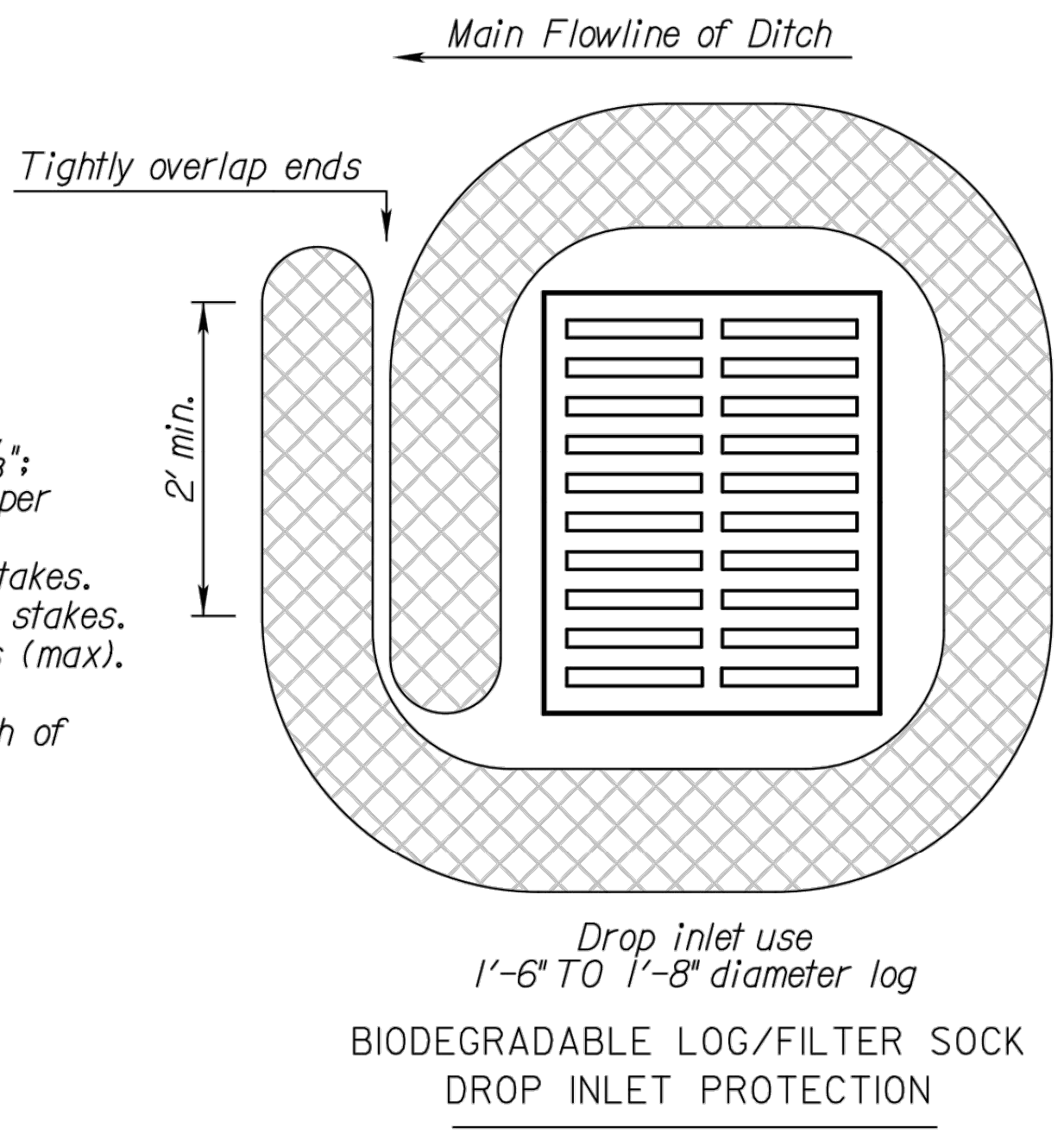


PLAN
TEMPORARY INLET SEDIMENT BARRIER
(SILT FENCE METHOD)
NO SCALE

- SILT FENCE:**
1. Stakes shall be 4' (min.) long and of one of the following materials:
 - a. Hardwood - 1 3/16" x 1 3/16";
 - b. Southern Pine (No. 2) - 2 5/8" x 2 5/8";
 - c. Steel U, T, L, or C Section - .95 lbs. per 1'-0"; or
 - d. Synthetic - same strength as wood stakes.
 2. Cross pieces shall be of same material as stakes.
 3. Attach fence fabric securely on 6" centers (max).
 4. Use of high flow material is acceptable.
 5. Refer to plan sheets to estimate the length of silt fence required.

Bags = synthetic net (3mm mesh) or burlap bags

Rock = approximately 1" to 2" diameter



CURB INLET PROTECTION

1. If multiple gravel bags are required, place them in such a way that no gaps are evident.
2. Height of bags (8" minimum diameter) must not be above top of curb.
3. Alternative products may be used other than gravel bags such as the "Gutter Buddy". Products must be approved by the Engineer.
4. Curb inlet protection will be measured and paid for as Filter Sock.

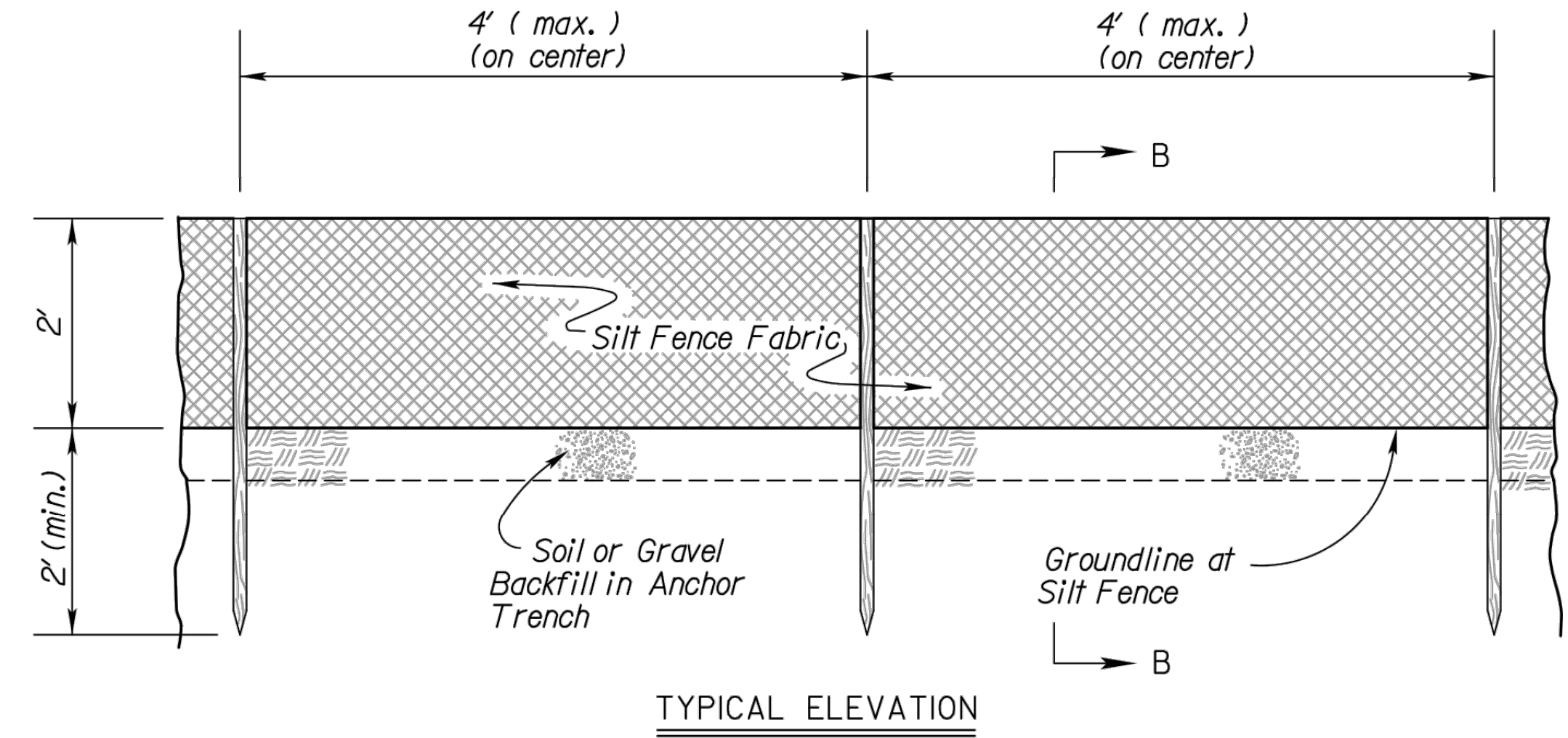
Note: 25% of log shall be keyed into ground during installation.
Stake every 4'

Material Requirements	
Use 100% shredded mulch or other non-compost biodegradable material as fill for logs.	
No compost or fines.	
No hay or straw.	
Do not use material which prohibits water infiltration.	
Log Mesh: Use mesh with 1/4" openings or larger. Mesh must allow water infiltration but also hold fill material in place.	

NO.	DATE	REVISIONS	BY	APP'D
3	9/26/19	Changed Direction of Main Flowline of Ditch Arrow	MRD	SHS
2	3/10/15	Revised Standard	RA	SHS
1	6/01/13	Revised Standard	MRM	SHS
KANSAS DEPARTMENT OF TRANSPORTATION TEMPORARY EROSION AND POLLUTION CONTROL TEMP. INLET SEDIMENT BARRIER (SILT FENCE) TEMP. INLET SEDIMENT BARRIER (T.S.D.) CURB INLET PROTECTION DROP INLET PROTECTION LA852C				
FHWA APPROVAL		3/10/2015	APP'D	Scott H. Shields
DESIGNED	RA	DETAILED	RA	QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	SHS	CADD CK.

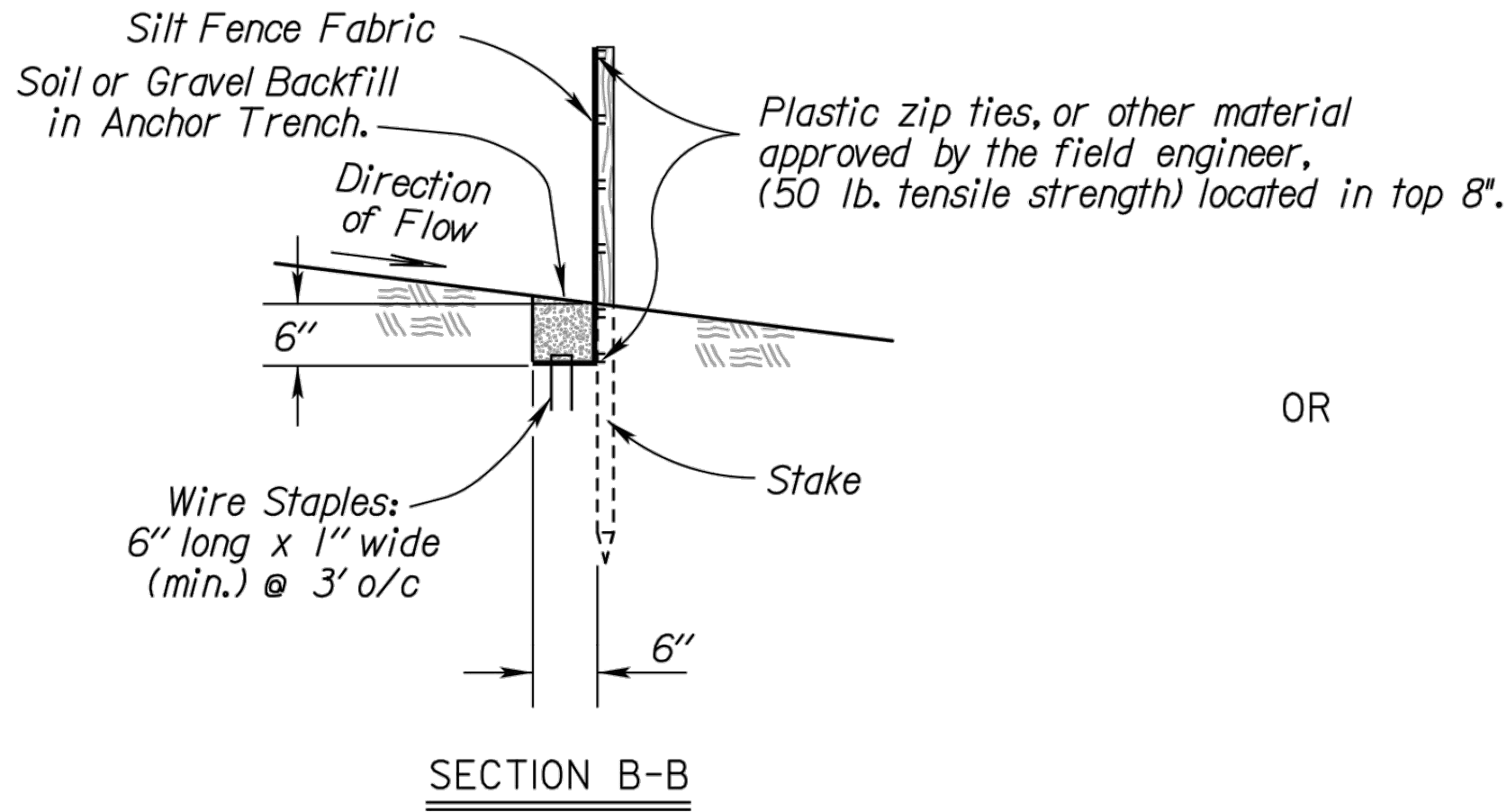
Std. Base File:
PlotTect: KDOT\CADD\Support\teks\plot Location:
File: la852c.dgn
Plot Date: 18-DEC-2020 01:01

Std. Base File:
Plotted By: melissa
File: la852d.dgn
Plot Date: 14-SEP-2016 13:07
Plot Location: Landscape



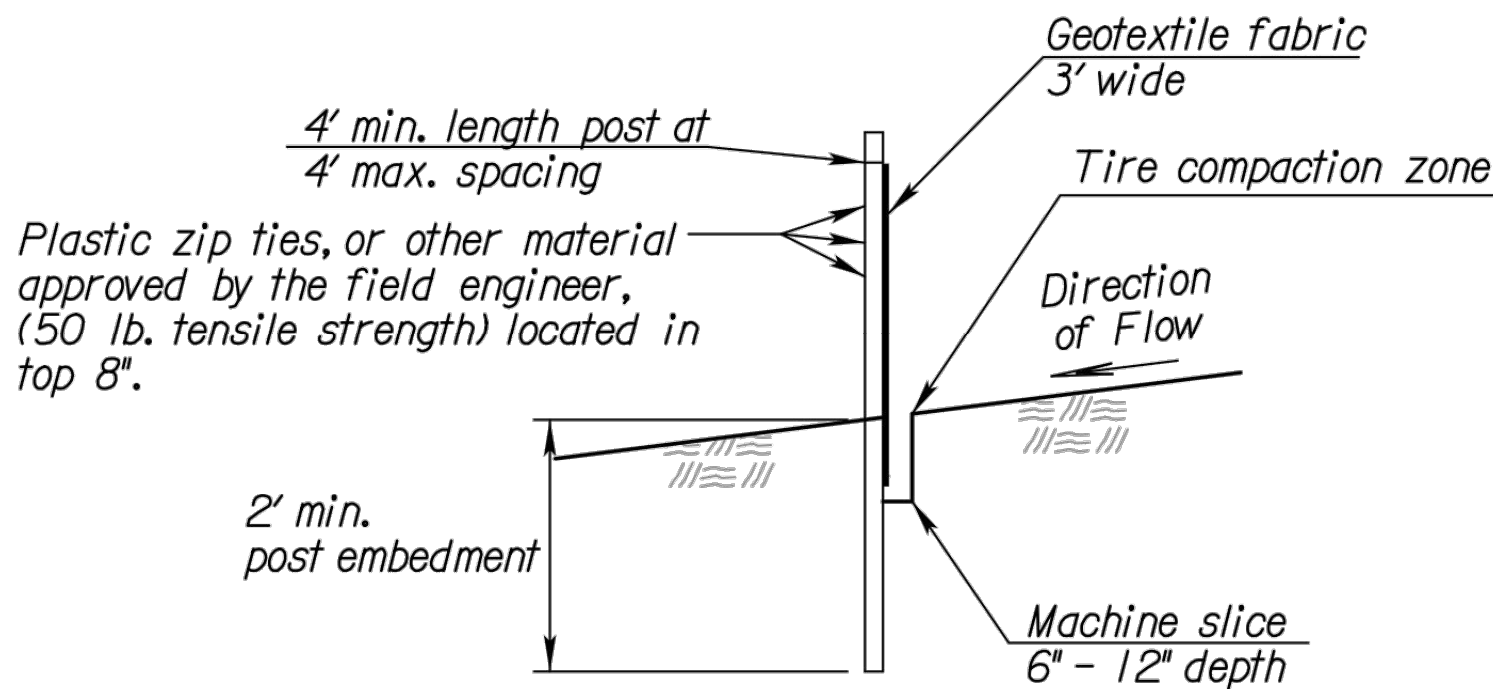
TYPICAL ELEVATION

SILT FENCE BARRIER
NO SCALE

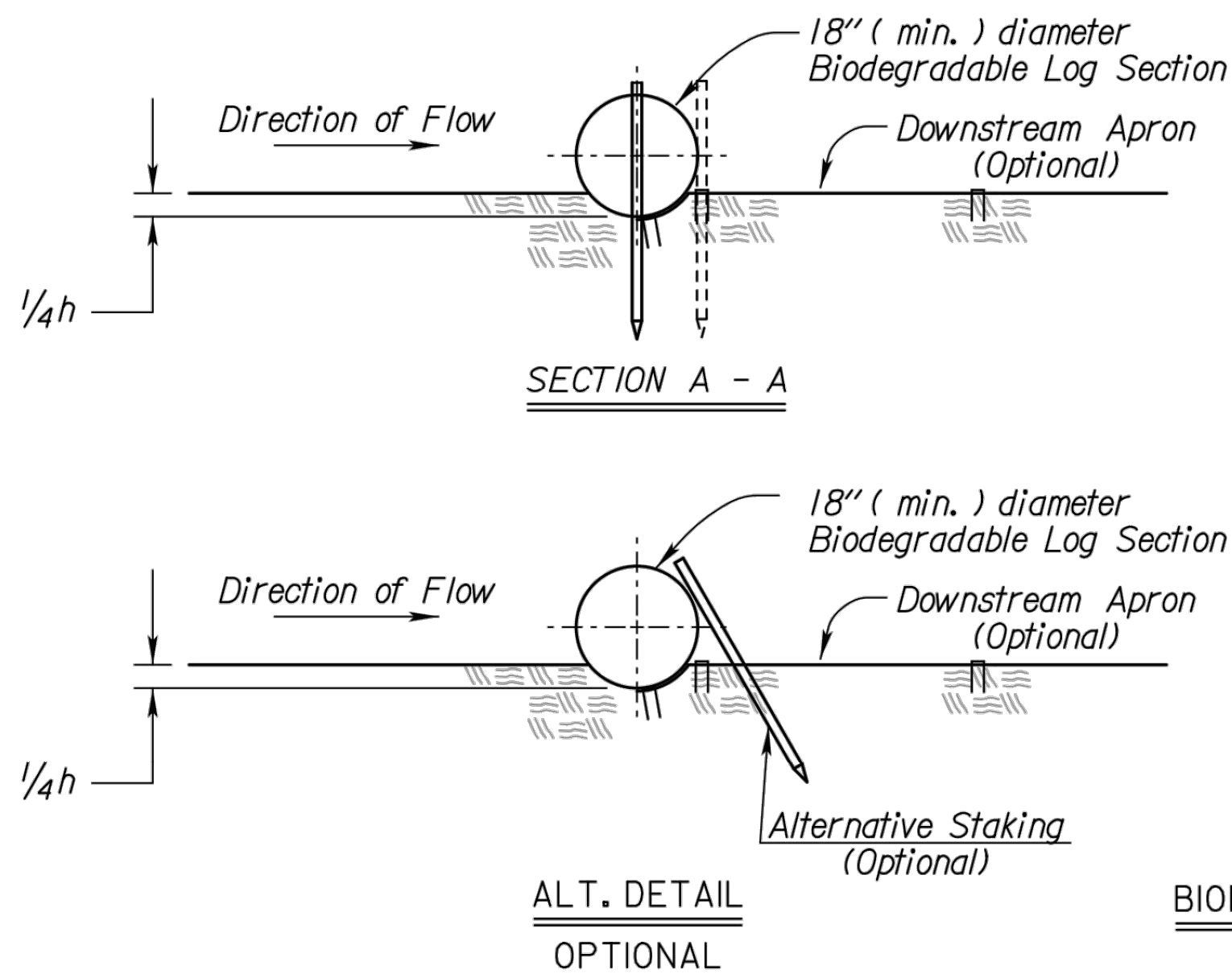


SECTION B-B

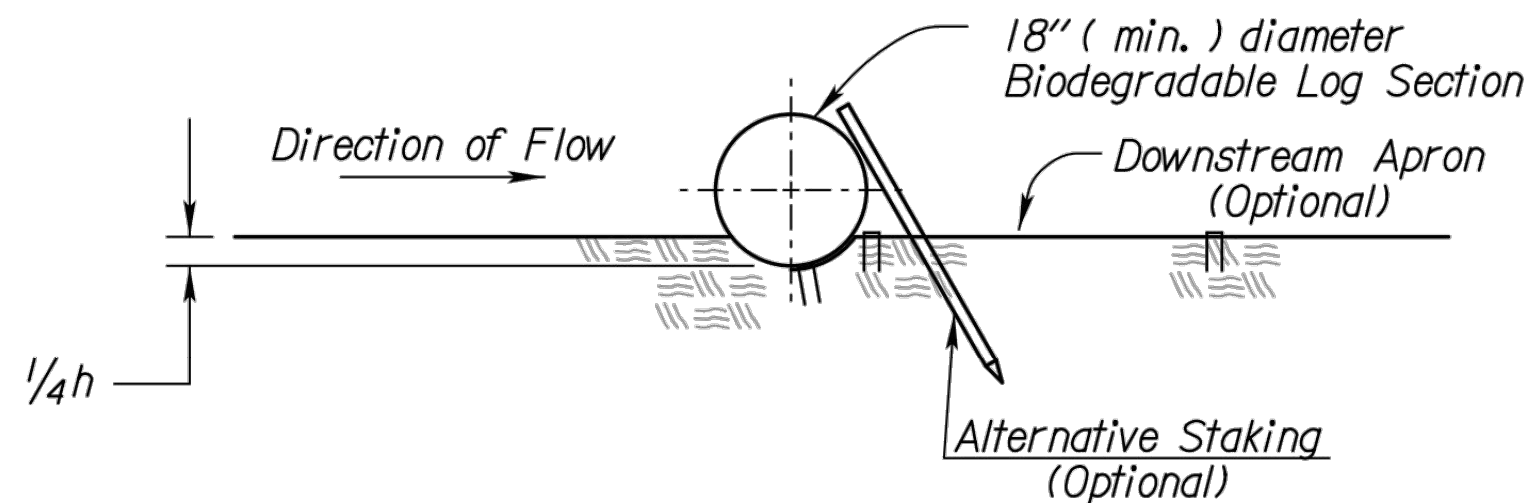
OR



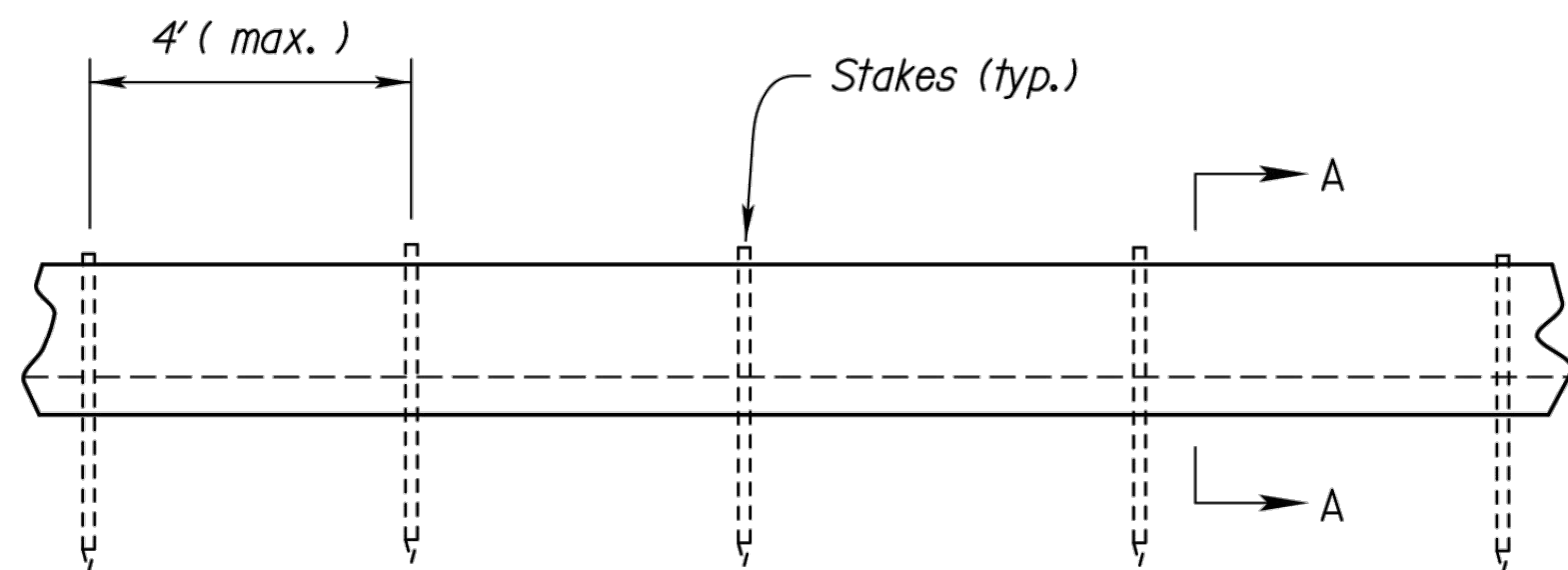
SECTION B-B



SECTION A - A



ALT. DETAIL
OPTIONAL



TYPICAL ELEVATION

BIODEGRADABLE LOG SLOPE INTERRUPTIONS
OR Filter Sock

INSTALLATION NOTES

SILT FENCE:

- Stakes shall be 4' (min.) long and of one of the following materials:
 - Hardwood - 1 3/16" x 1 3/16";
 - Southern Pine (No. 2) - 2 5/8" x 2 5/8";
 - Steel U, T, L, or C Section - .95 lbs. per 1'-0"; or
 - Synthetic - same strength as wood stakes.
- Attach fence fabric with 3 zip ties within the top 8" of the fence. Alternate attachment methods may be approved by the Engineer on a performance basis.
- Use of high flow material is acceptable.
- Refer to plan sheets to estimate the length of silt fence required.

BIODEGRADABLE LOG OR FILTER SOCK

- Place biodegradable logs or filter sock tightly together minimum overlap of 18".
- Wood stakes shall be 2" x 2" (nom.).
- Refer to plan sheets to estimate length of biodegradable log and filter sock required.
- Each log or sock (except compost filter socks) should be keyed into the ground at a minimum of 25% of its height. Compost filter socks should be placed on smooth prepared ground with no gaps between the sock and soil.
- Length of stakes should be 2 times the height of the log at a minimum with minimum ground embedment equal to the height of the log / sock.

Biodegradable Log or Filter Sock Slope Interruptions

		PRODUCT		
		9" Sediment Log or 8" Filter Sock (ft)	12" Sediment Log or 12" Filter Sock (ft)	20" Sediment Log or 18" Filter Sock (ft)
Slope Gradient	≤4H:1V	40	60	80
	3H:1V	30	45	60

Deviations should be approved by the Field Engineer.

BIODEGRADABLE LOG MATERIAL		
	LOW FLOW	HIGH FLOW
9"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
12"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber
18"-20"	Straw/Compost	Excelsior / Wood Chips / Coconut Fiber

GENERAL NOTES

- Slope interruptions shall be placed along contour lines, with a short section turned upgrade at each end of the barrier.
- The maximum length of the slope interruptions shall not exceed 250 feet, and the barrier ends need to be staggered.
- Interruptions damaged by Contractor's negligence, including improper maintenance or lack of maintenance, shall be repaired immediately by Contractor at no additional cost to KDOT.
- Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.

3	6/28/16	Revised Standard	RA	SHS
2	3/01/15	Revised Standard	RA	SHS
1	6/01/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION TEMPORARY EROSION AND POLLUTION CONTROL SLOPE INTERRUPTIONS BIODEGRADABLE LOG / SILT FENCE LA852D				
DESIGNED	SHS	DETAILED	RA	QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	QUAN. CK.	CADD CK.

CADconform Certify This File

Sheet No. 20

Std. Base File:

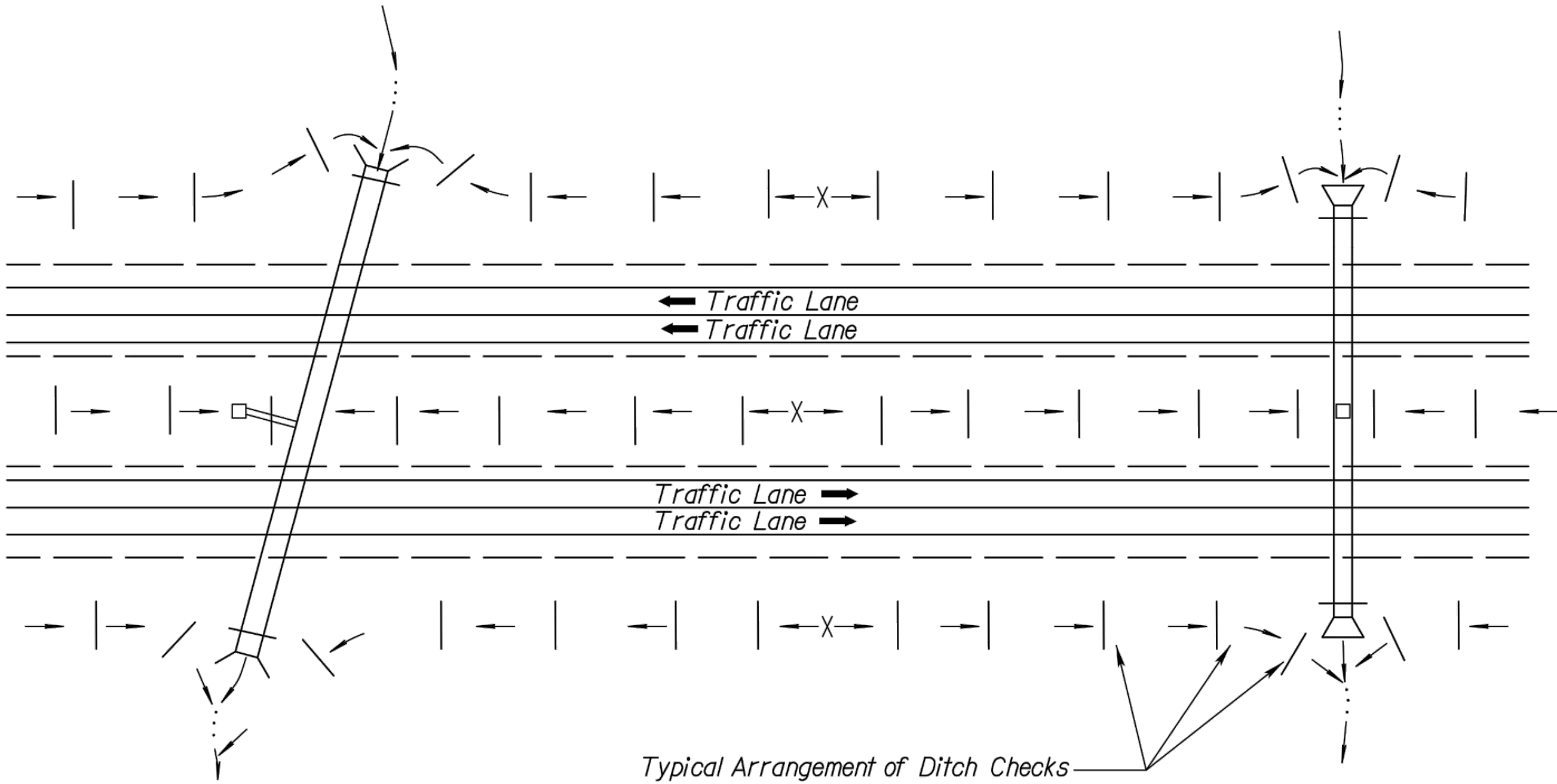
Plotted By: melissa

File: la852e.dgn

Plot Location: Landscape

Plot Date: 14-SEP-2016 13:10

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	21	31



TYPICAL DITCH CHECK LAYOUT PLAN
NO SCALE

20" BIOLOG CHECK SPACING	
DITCH Q SLOPE (%)	SPACING INTERVAL (FEET)
1.0	125
2.0	60
3.0	40
4.0	30
5.0	25
NOTE: Use this spacing for all except Rock Ditch Checks.	

18" FILTER SOCK CHECK SPACING	
DITCH Q SLOPE (%)	SPACING INTERVAL (FEET)
1.0	110
2.0	55
3.0	35
4.0	25
5.0	20
NOTE: Use this spacing for all except Rock Ditch Checks.	

GENERAL NOTES

- 1) The choice of ditch check methods is at the option of the Contractor.
- 2) Use only rock checks in situations where the ditch slope is 6 percent or greater.
- 2) Ditch checks damaged by Contractor's negligence, including improper maintenance or lack of maintenance, shall be repaired by Contractor at no extra cost to KDOT.

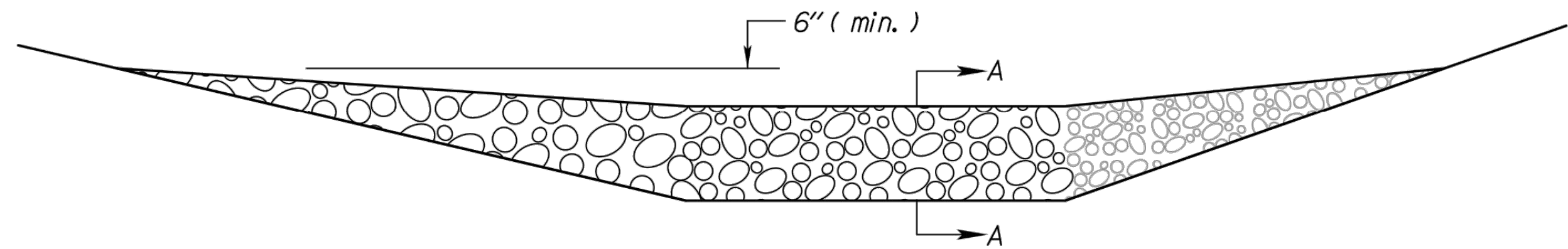
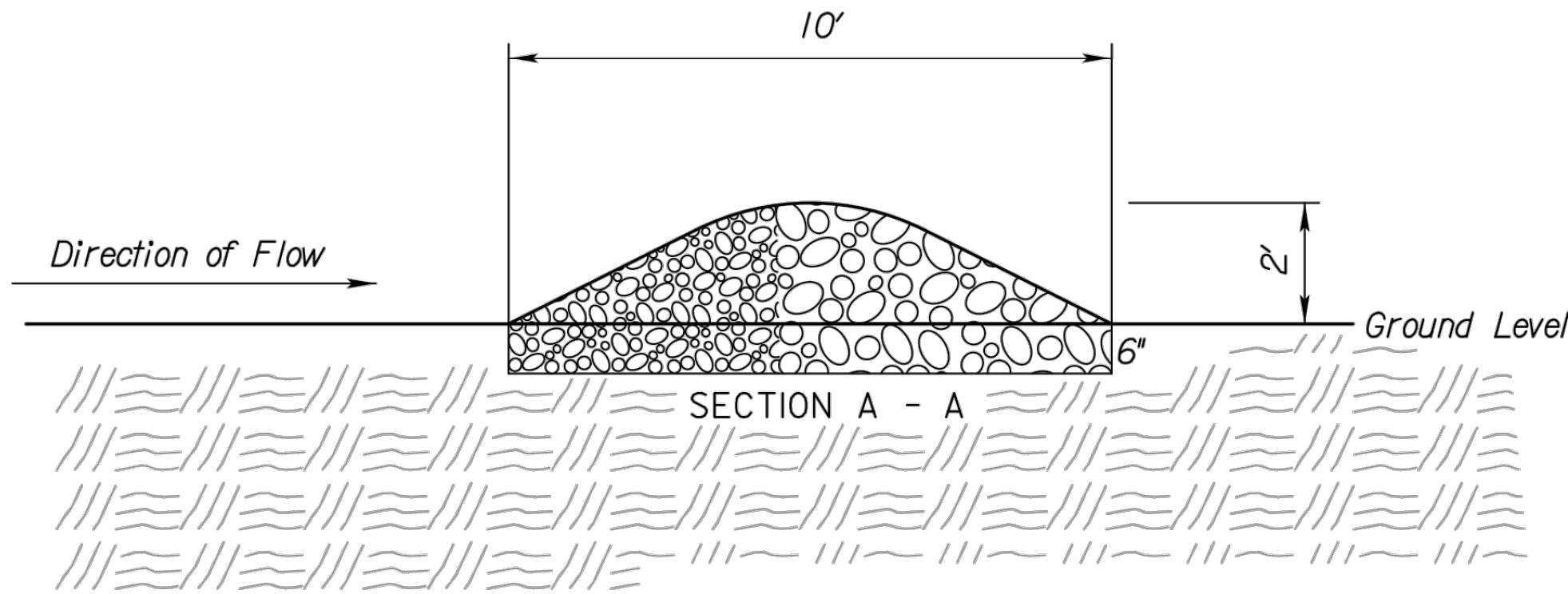
3	8/10/16	Revised Standard	RAA	SHS
2	6/28/16	Revised Standard	RAA	SHS
1	6/01/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION				
TEMPORARY EROSION AND POLLUTION CONTROL				
DITCH CHECKS				
LA852E				
FHWA APPROVAL		9/14/2016 APP'D		Scott H. Shields
DESIGNED	SHS	DETAILED	RAA	QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	SHS	QUAN. CK.
CADD		CADD		RAA
BY		BY		SHS

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	22	31

ROCK DITCH CHECK NOTES

1. Rock shall be clean aggregate, D50 = 6".
2. Place rock in such manner that water will flow over, not around ditch check.
3. Do not use rock ditch checks in clear zone.
4. Excavation: The ditch area shall be reshaped to fill any eroded areas. Prior to placement of the rock, the ditch shall be excavated to the dimensions of the Rock Ditch Check and to a minimum depth of 6" (150mm). After placement of the rock, backfill and compact any over excavated soil to ditch grade. This work shall be subsidiary to the bid item Temporary Ditch Check (Rock).
5. Aggregate excavated on site may be used as an alternate to the 6" rock, if approved by the Engineer.
6. The Engineer may approve the use of larger aggregates for the downstream portion of the check when conditions warrant their use.
7. When the use of larger rock is approved, the upstream portion of the check should be constructed of D50 = 6" or smaller.

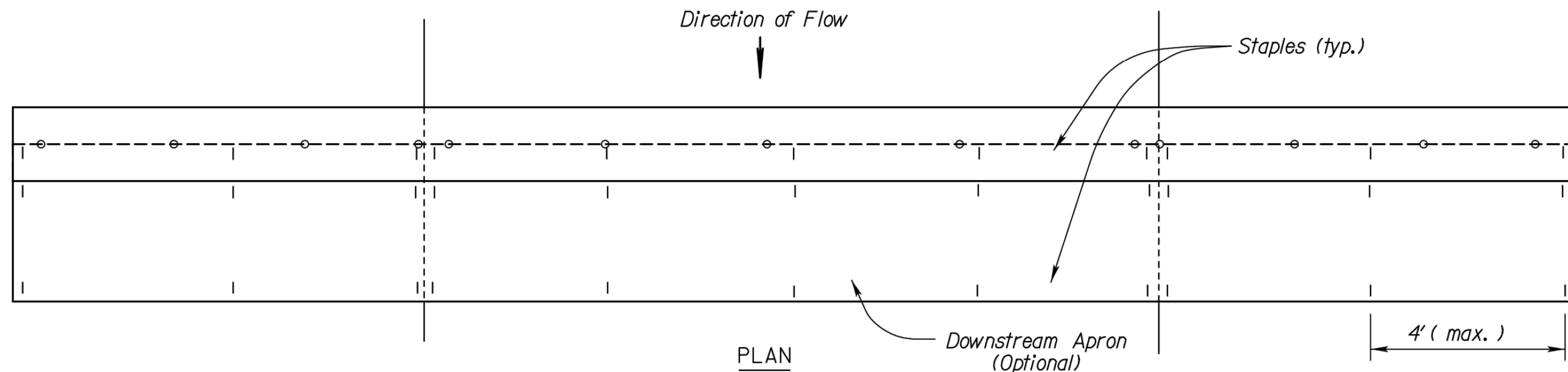


TYPICAL ELEVATION

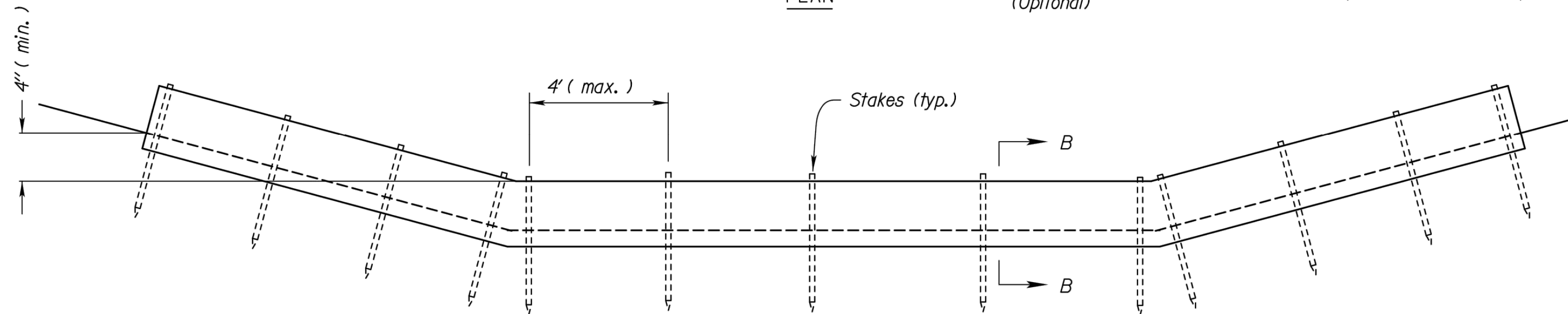
ROCK DITCH CHECK

NO SCALE

TEMPORARY ROCK DITCH CHECK SPACING	
DITCH Q. SLOPE (%)	SPACING INTERVAL (FEET)
5.0	60
6.0	50
7.0	43
8.0	36
9.0	33
10.0	29
NOTE: Use this spacing only for Rock Ditch Checks.	



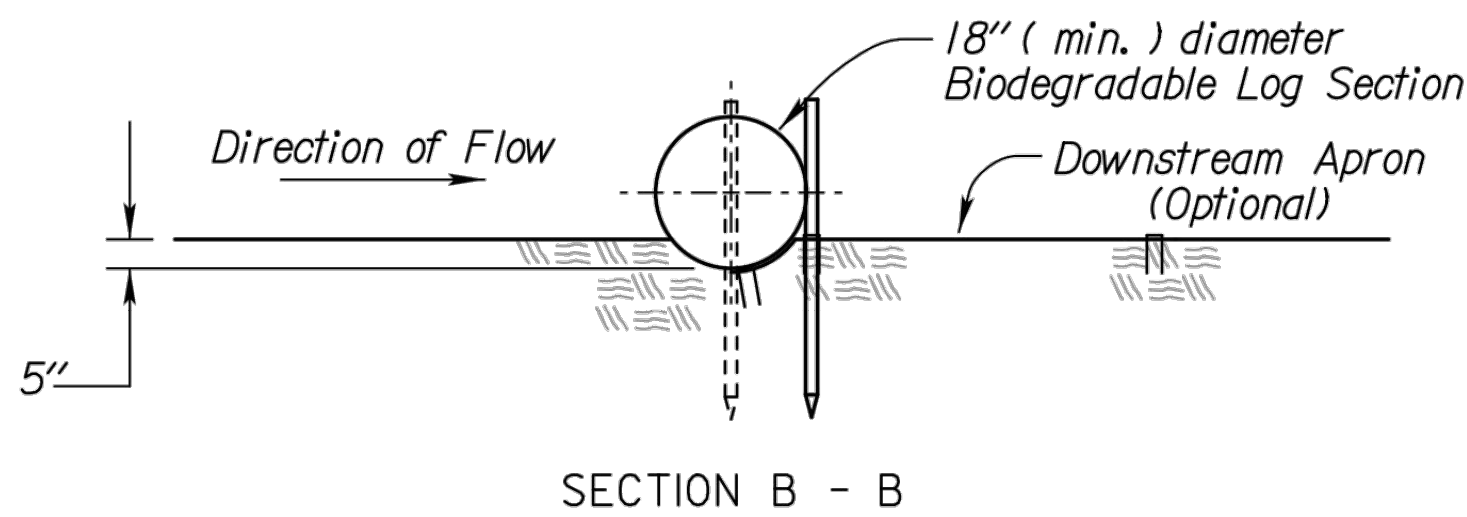
PLAN



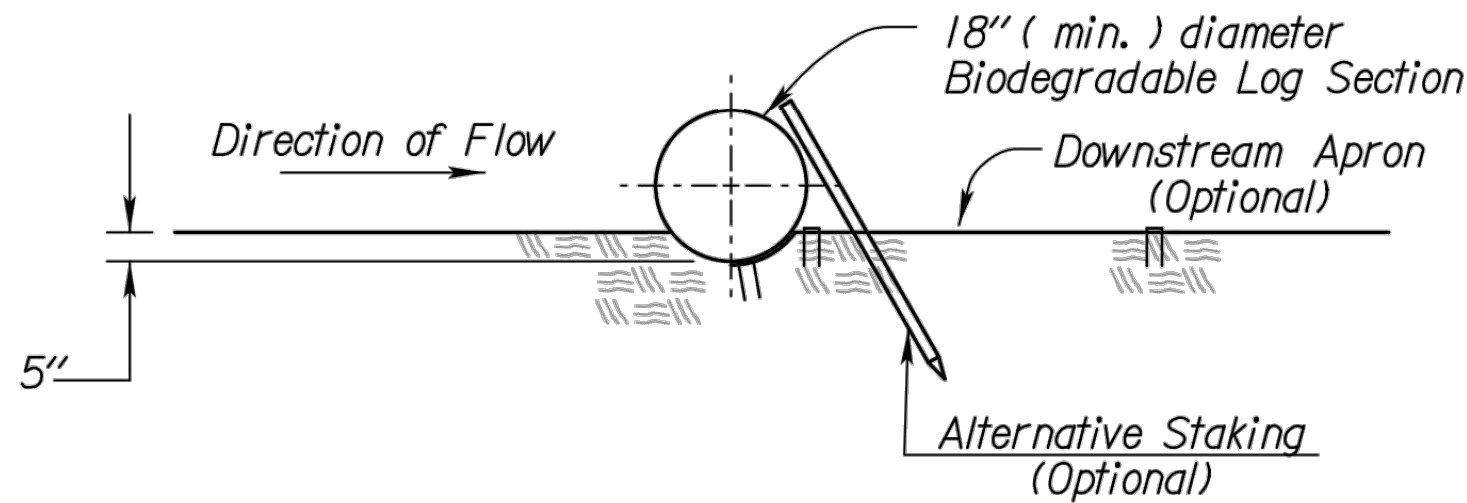
TYPICAL ELEVATION

BIODEGRADABLE LOG DITCH CHECK

OR Filter Sock Ditch Check
NO SCALE



SECTION B - B



ALT. DETAIL
OPTIONAL

BIODEGRADABLE LOG DIKE NOTES

1. Use as many biodegradable log sections as necessary to ensure water does not flow around end of ditch check.
2. Overlap sections a minimum of 18".
3. Stakes shall be wood or steel according to Section 2114 of the Standard Specifications. Length of stakes shall be a minimum of 2 x the diameter of the log.
4. Use Erosion Control (Class 1) (Type C) as the downstream apron when required.
5. A downstream apron is required when directed by the Engineer. Apron material will be paid at the contract unit price.
6. Each log or sock (except compost filter socks) should be keyed into the ground at a minimum of 25% of its height. Compost filter socks should be placed on smooth prepared ground with no gaps between the sock and soil.

NO.	DATE	REVISIONS	BY	APP'D
3	8/10/16	Revised Standard	RAA	SHS
2	10/21/15	Revised Standard	RAA	SHS
1	9/15/14	Revised Standard	RAA	SHS

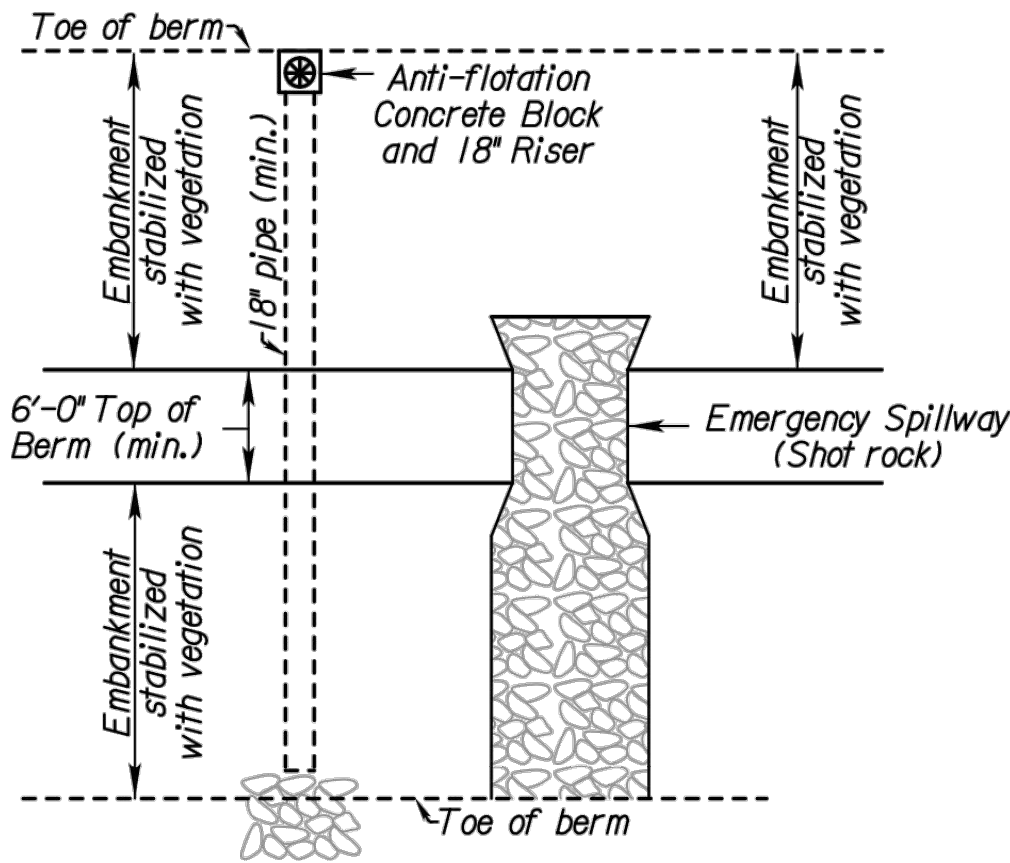
KANSAS DEPARTMENT OF TRANSPORTATION				
TEMPORARY EROSION AND POLLUTION CONTROL				
ROCK DITCH CHECKS				
BIODEGRADABLE LOG DITCH CHECKS				
LA852G				
DESIGNED	SHS	DETAILED	RAA	QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	SHS	QUAN. CK.
APP'D	Scott H. Shields	CADD	RAA	CADD CK.

CADconform Certify This File

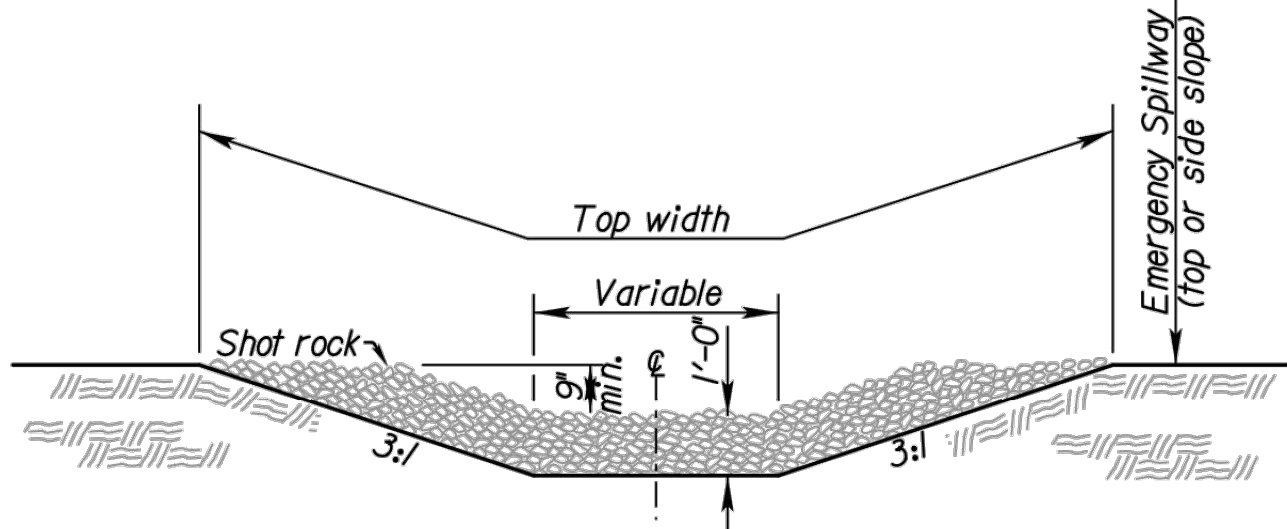
Sheet No. 22

Std. Base File: la852g.dgn
Plotted By: melissa
File: la852g.dgn
Plot Date: 14-SEP-2016 13:13
Plot Location: Landscape

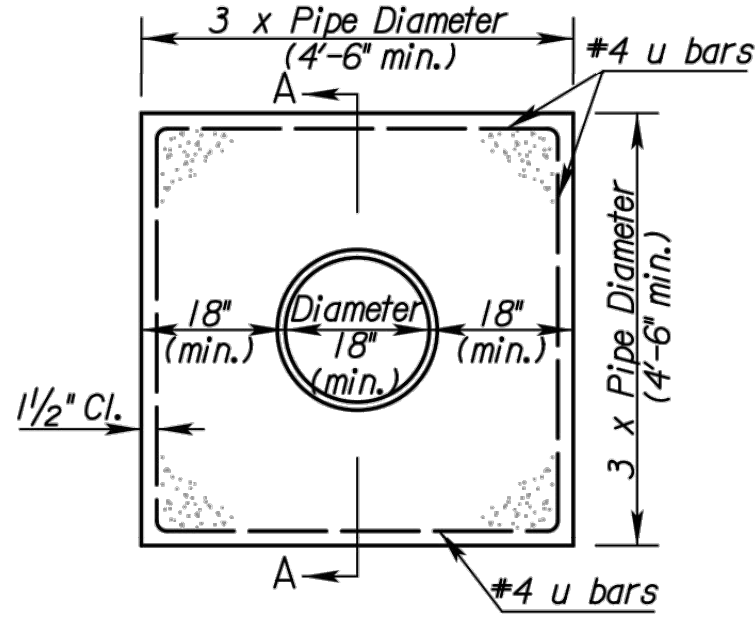
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	23	31



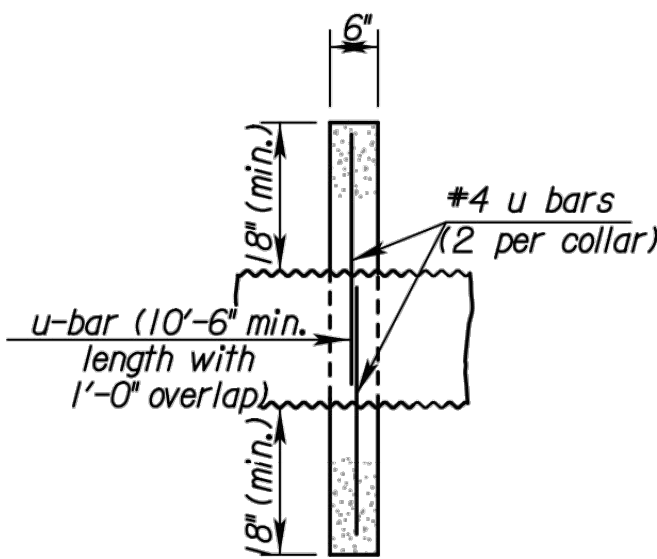
SEDIMENT STORAGE BASIN (PLAN)



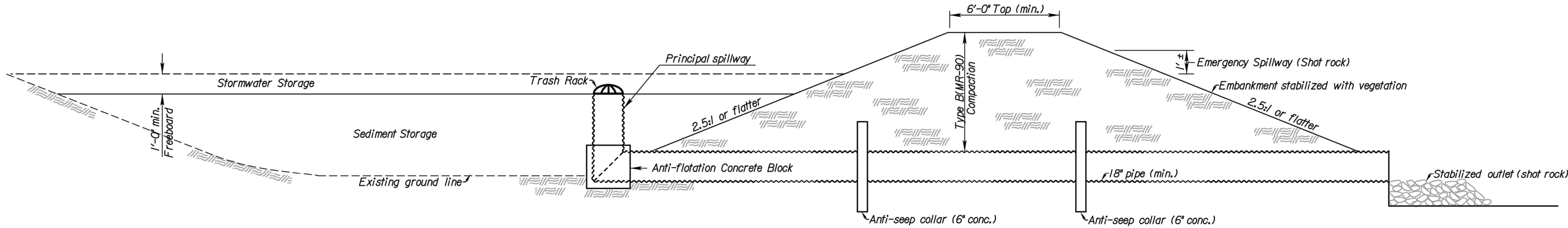
CROSS SECTION (EMERGENCY SPILLWAY)



CONCRETE ANTI-SEEP COLLAR

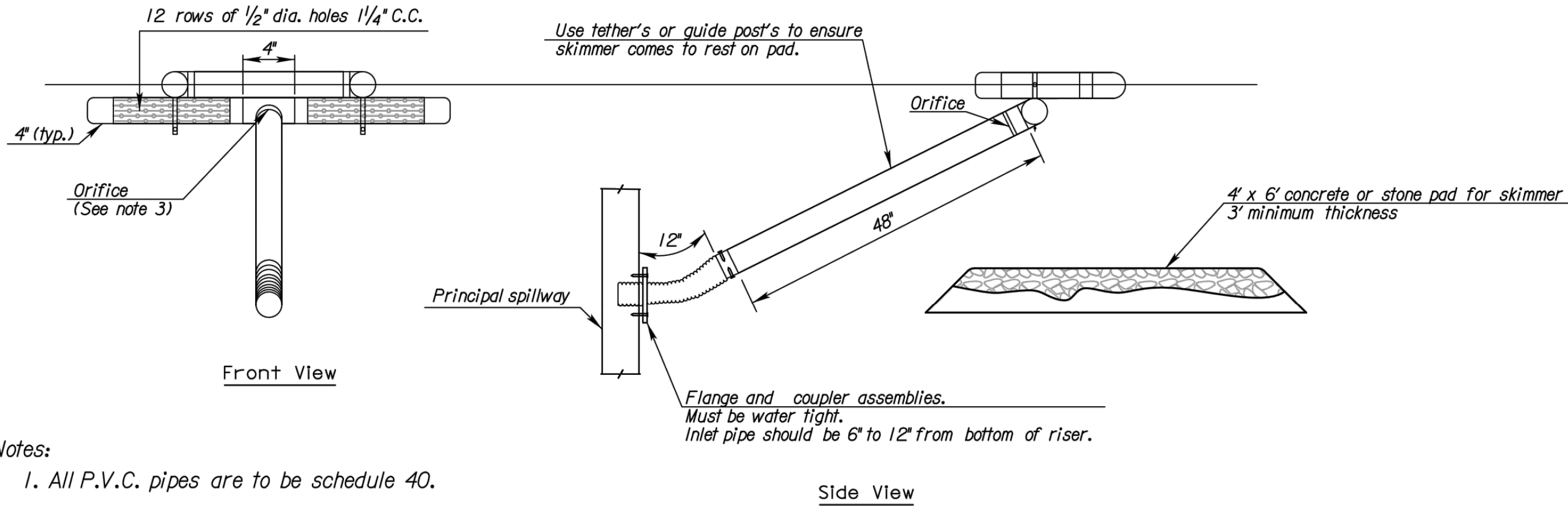


SECTION A-A



SEDIMENT STORAGE BASIN (ELEVATION)

- NOTES:
- 1) Temporary Sediment Basins shall be constructed at locations as directed by the Engineer or as approved in the SWPPP Schedule. All work and materials necessary, including but not limited to, the fill material, compaction, drainage pipes, aggregates and all other incidentals necessary to construct the basin, shall be paid as "Temporary Sediment Basin".
 - 2) Lengths and top dimensions shall be determined in the field by the Engineer.
 - 3) Skimmer dewatering device required and must be used regardless the size of the drainage area.



SKIMMER DEWATERING DEVICE

SEDIMENT STORAGE BASIN LOCATIONS		
STATION TO STATION	SIDE	REQUIRED STORAGE CAPACITY

3				
2	9/3/13	Added Skimmer Dewatering Device	MRM	SHS
1	7/17/13	Revised Standard	MRM	SHS
NO.	DATE	REVISIONS	BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION				
TEMPORARY EROSION AND POLLUTION CONTROL				
SEDIMENT STORAGE BASIN				
LA852H				
FHWA APPROVAL		09/24/2013	APP'D	Scott H. Shields
DESIGNED	BB	DETAILED	BB	QUANTITIES
DESIGN CK.	SHS	DETAIL CK.	SHS	QUAN. CK.

Std. Base File: Plot Location: Bridge Design
Plotted By: rlang
File: la852h.dgn
Plot Date: 10-OCT-2016 11:45

- Notes:
1. All P.V.C. pipes are to be schedule 40.
 2. HDPE flexible drain pipes is to be attached to the pond outlet structure with water-tight connections.
 3. The orifice shall be sized of to provide drawdown time to 2 to 5 days and approved by the engineer.
 4. Other skimmer designs maybe used that dewateres from the surface at a controlled rate. The design must be approved by the engineer.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	24	31

GRASS & WILDFLOWER SEEDING SEASONS

COOL SEASON GRASSES	WARM SEASON GRASSES & WILDFLOWERS
February 15 thru April 20 August 15 thru September 30	November 15 thru June 1
SPECIES	SPECIES
Bluegrasses	Bermuda Grass
Brome Grasses	Big Bluestem
Canada Wildrye	Blue Grama
Fescues	Buffalo Grass
Prairie Junegrass	Indiangrass
Ryegrasses	Little Bluestem
Sterile Wheatgrass	Sand Bluestem
Tall Dropseed	Sand Dropseed
Western Wheatgrass	Sand Lovegrass
	Side Oats Grama
	Switchgrass
	Wildflower Mixes
When the area to be seeded is 1 acre or more, if Cool Season grasses are mixed with Warm Season grasses, seed the area during the Warm Season.	
When the area to be seeded is less than 1 acre, seed the area any time of the year.	

GENERAL NOTES

The entire disturbed area, excepting the paved or surfaced areas, steep rocky slopes and areas of undisturbed native sod or other desirable vegetation shall be fertilized (limed when required), seeded and mulched. Soil preparation shall conform to the Standard Specifications except as noted below.

All borrow areas shown on the plans are to be fertilized, seeded, and mulched. However, operation in borrow areas where crops are growing may be omitted when requested by the owner.

If temporary cover has provided stable slopes with no erosion, seed the permanent grasses into the existing cover. If there has been erosion that requires repair prior to seeding, then it may be necessary to regrade the area, resulting in bare ground.

FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per acre of N, P_2O_5, K_2O listed in Summary of Seeding Quantities will be acceptable.

MULCHING: Mulch shall be spread uniformly over all disturbed areas and punched in the soil, unless otherwise noted on the plans. The rate of application per acre, thickness in place, for the mulching material is generally as follows:

$1\frac{3}{4} - 2\frac{1}{4}$ Tons per Acre = $1\frac{1}{2}$ " loose depth spread uniformly over acre.

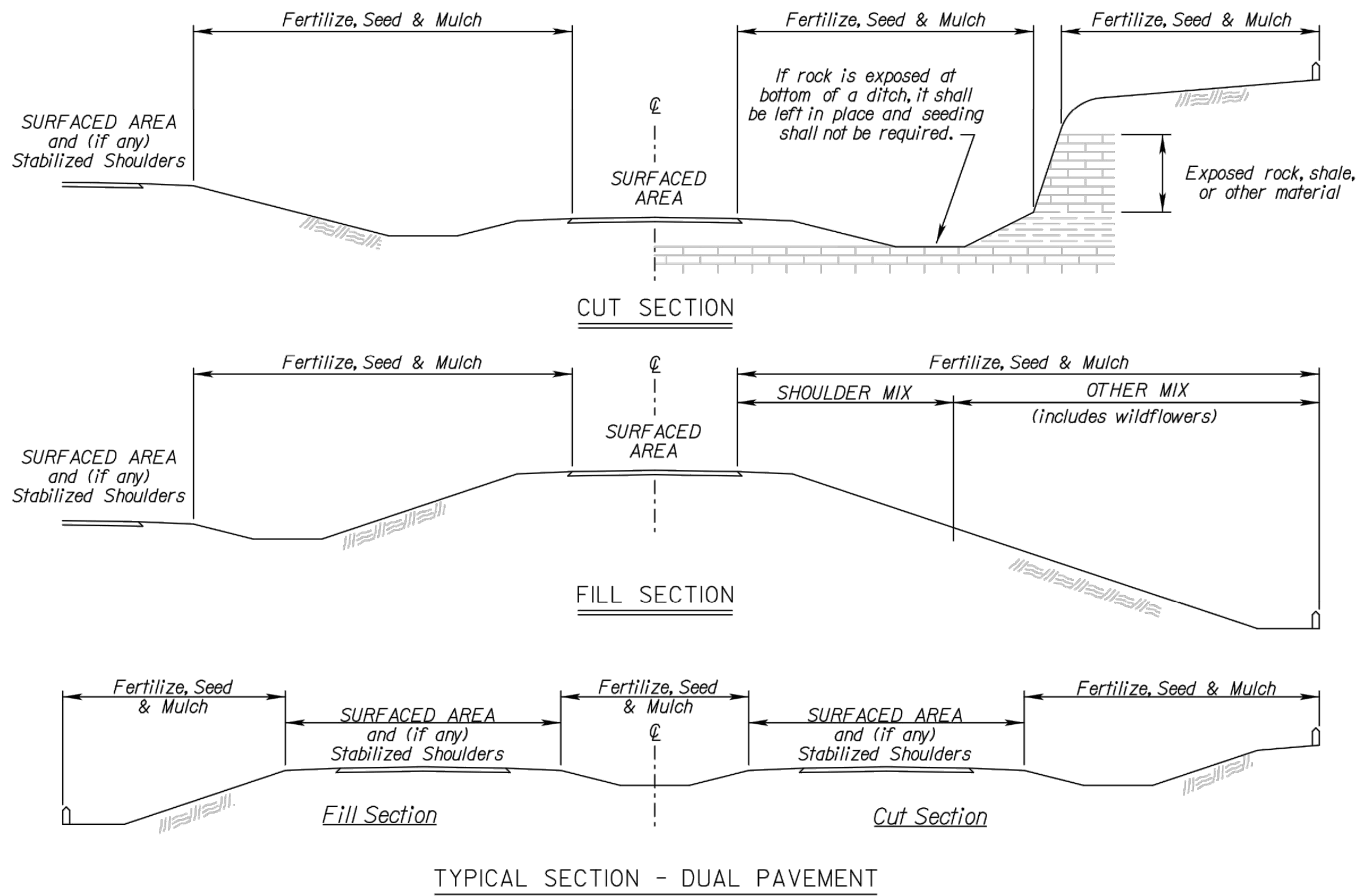
Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards.

Other vegetative mulches are acceptable only with the Engineer's concurrence.

The above rate is a guide. It will be at the discretion of the Engineer to determine what rate is sufficient for adequate protection of newly seeded areas.

SODDING SEASONS

COOL SEASON GRASSES	WARM SEASON GRASSES
March 1 thru April 15 September 1 thru November 15	May 15 thru September 1
SPECIES	SPECIES
Bluegrass Sod	Buffalo Grass Sod
Fescue Sod	
<p>If the soils workable, the Engineer may allow placement of sod between November 15 and March 1. If sod is placed during this time, maintain the sod until 20 days after the beginning of the spring sodding season.</p>	



NATIVE WILDFLOWER MIX I

PLS RATE	NAME	QTY (lb)
0.3	Butterfly Milkweed	
0.3	Common Milkweed	
0.3	Black Eyed Susan	
0.5	Blanket Flower	
0.5	False Sunflower	
0.5	Lance-Leaf Coreopsis	
0.2	Maximilian Sunflower	
0.1	New England Aster	
0.2	Pinnate Prairie Coneflower	
0.2	Plains Coreopsis	
0.3	Purple Coneflower	
0.3	Upright Prairie Coneflower	
0.3	Dames Rocket	
0.3	Lemon Mint	
0.2	Pitcher Sage	
0.2	Wild Bergamot	
1.0	Illinois Bundleflower	
0.2	Common Evening Primrose	
0.1	Hoary Verbena	
0.8	Purple Prairie Clover	
0.3	Roundhead Lespedeza	
3.0	Showy Partridge Pea	
0.2	White Prairie Clover	
10.3	Total (lb)	

NATIVE WILDFLOWER MIX 2

PLS RATE	NAME	QTY (lb)
0.3	Butterfly Milkweed	
0.3	Black Eyed Susan	
0.5	Black Sampson Coneflower	
1.0	Blanket Flower	
0.2	Maximilian Sunflower	
0.2	Plains Coreopsis	
0.2	Upright Prairie Coneflower	
0.2	Western Yarrow	
0.3	Lemon Mint	
0.4	Pitcher Sage	
1.5	Illinois Bundleflower	
0.2	Common Evening Primrose	
1.0	Blue Wild Indigo	
0.4	Leadplant	
0.4	Purple Prairie Clover	
0.3	White Prairie Clover	
7.4	Total (lb)	

Package and deliver the wildflower seed separately from the grass seed mix. Package and deliver the Tall Drop Seed separately from the grass seed and the wildflower mix. Place the grass seed (except Tall Drop Seed) in the large seed box and drill (cover) seed $\frac{1}{8}$ " - $\frac{1}{4}$ ". Place the wildflower seed in a separate seed box and drill (cover) seed $\frac{1}{16}$ " maximum. Place the Tall Drop Seed in a separate (third) seed box and place the seed (using the seed drill) on the soil surface.

OPTION: Broadcast Tall Drop Seed on the soil surface.

SUMMARY OF SEEDING QUANTITIES

P.L.S. RATE / ACRE				ACRES				BID ITEM	QUANTITY	UNIT
SHLDR	OTHER			SHLDR	OTHER					
250				1.5				SEED (FESCUE)(TALL TURF TYPE BLEND)	375	LBS
45				1.5				FERTILIZER (15-30-15)	68	LBS
								Mulching *		

SHLDR = Seeded with the Shoulder Mix. Typically 15 feet for 2-lane roads and 30 feet for 4-lane roads. Includes outside roadsides, turfed portions of shoulders, and turfed portion of the median.

OTHER = Seeded with the "Other" Mix. Designated as all other turf areas, except the Shoulder. Usually includes a Native Wildflower Mix.

NOTE: Projects less than 1 acre shall be bid as "Seeding" by the lump sum. All disturbed areas shall be seeded, fertilized and mulched at the listed rate per acre. The acres are estimated.

Refer to the Standard Specifications, Division 900, Section 904 'Seeding', and Section 907 'Sodding', for the seeding and sodding seasons.

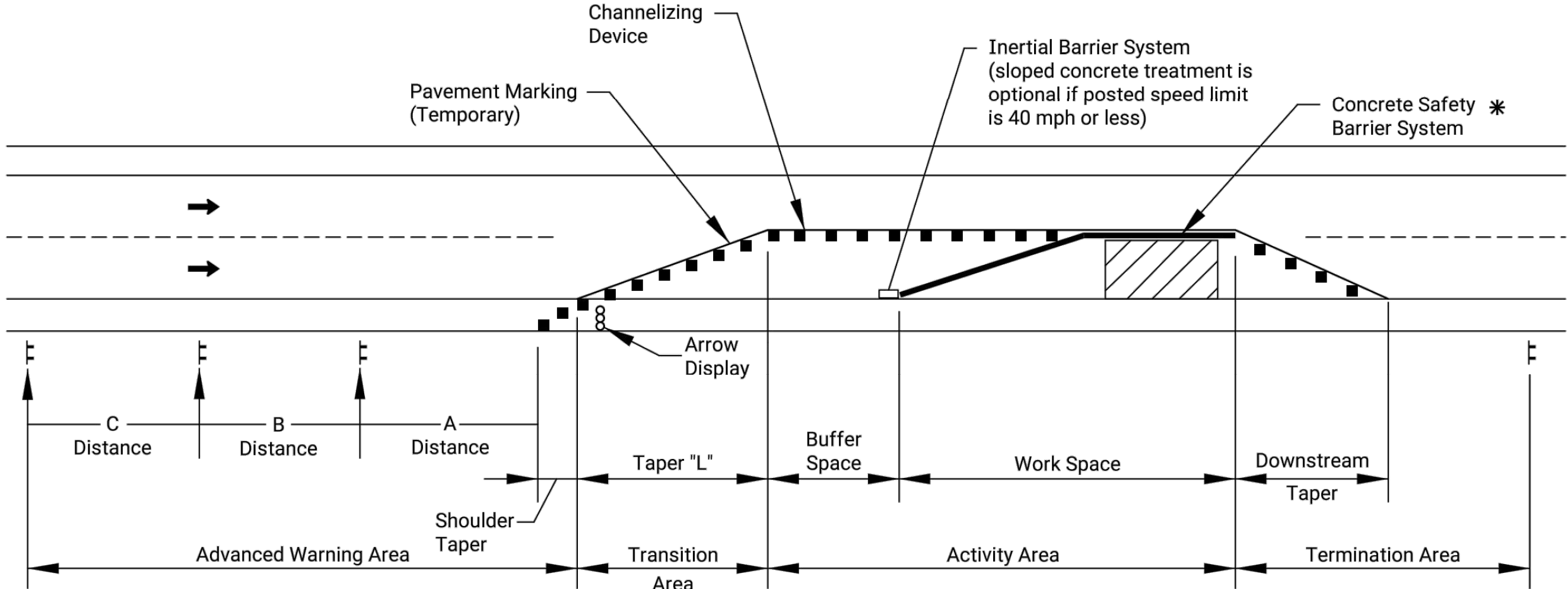
* See LA852A for mulching quantity. The quantity of mulch is estimated (Acres of Seeding X 1.5 X 2 Tons/Acre). The total mulch required shall be determined in the field. The bid item for mulching shall be paid for according to the Standard Specifications.

2	11/25/20	Updated Seeding / Sodding Periods Charts	MRD	ML
1	08/03/20	Revised Standard	MRD	SHS
NO.	DATE	REVISIONS	BY	APP'D
<p align="center">KANSAS DEPARTMENT OF TRANSPORTATION</p> <p align="center">PERMANENT SEEDING SUMMARY OF SEEDING QUANTITIES</p> <p align="center">L8450</p>				
FHWA APPROVAL		05/06/2019	APP'D	Mervin Lare
DESIGNED	MRD	DETAILED	MRD	CADD
DESIGN CK.		DETAIL CK.	QUAN.CK.	CADD CK.

Std. Base File:	
Plot track: KNOT*CAD,Supports,Plot Location:	
File: /d850.dgn	
Plot Date: 18-DEC-2020 01:03	

Drawn By : mushock
File : te700.dgn
Plotted :29-MAR-2018 12:40
Traffic

- 1) Design Speed: Those items delegated to temporary traffic control should be designed and installed using the posted/legal speed of the roadway prior to work starting.
- 2) Minimum Lane Width: Lane widths shall be a minimum of 11' (measured between centerlines of pavement markings) or as shown on the plans, or as directed by the engineer. A lane width less than 11' may require restricted roadway width signing.
- 3) Consideration should be made to separate pedestrian and, if needed, bicycle movements from both work site activity and vehicular traffic. Unless a reasonable safe route that does not involve crossing the roadway can be provided, pedestrians should be appropriately directed with advance signing that encourages them to cross to the opposite side of the roadway. In urban and suburban areas with high vehicular traffic volumes, these signs should be placed at intersections (rather than midblock locations) so that pedestrians are not confronted with midblock work sites that will induce them to attempt skirting the work site or making a midblock crossing.
- 4) When existing pedestrian facilities are disrupted, closed, or relocated, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
- 5) When the driving surface open to traffic is milled or is a temporary surface made of loose material, or when directed by the engineer a W8-15 (Grooved Pavement) or W8-7 (Loose Gravel) sign shall be used on mainline approaches. This sign should be placed a "C" distance after the W20-1 (Road Work Ahead) sign. A W8-15p motorcycle plaque shall be used to supplement the W8-15 or W8-7 signs. All signs shall be displayed as long as the condition is present.
- 6) Alternative temporary rumble strip options may be available. Please contact the Temporary Traffic Control Unit for more information at 785-296-1179 or 785-296-1183.



TYPICAL WORK ZONE COMPONENTS

✱ When concrete barrier system is used, portable channelizing devices are not needed along the tangent barrier section.

Minimum advance warning sign spacing (in feet):

SPEED (MPH) ✱	A	B	C
URBAN (40 MPH OR LOWER)	100	100	100
URBAN (45 MPH OR HIGHER)	350	350	350
RURAL (55 MPH OR LOWER)	500	500	500
RURAL (60 MPH OR HIGHER)	750	750	750
EXPRESSWAY/FREEWAY	1000	1500	2640

- ✱ Posted speed prior to work starting
- The minimum spacing between signs shall be no less than 100', unless directed by the engineer.
- The spacing between any signs may be increased beyond the minimum values in the table above as approved by the engineer in order to maximize visibility.

Taper Formulas:

$L = WS$ for speeds of 45 MPH or more

$L = WS^2/60$ for speeds of 40 MPH or less

Where: L = Minimum length of taper in feet
 S = Numerical value of posted speed prior to work starting in MPH
 W = Width in offset feet

Shifting Taper= $1/2 L$
Shoulder Taper= $1/3 L$

Channelizer Placement:

- (1) The spacing between devices in transition area (taper) should not exceed a distance in feet equal to 1/2 the posted speed limit in mph prior to work starting.
- (2) The spacing between devices in the advanced warning area and the activity area should not exceed a distance in feet equal to two times the posted speed limit in mph prior to work starting.
- (3) Channelizing devices shall be placed for optimum visibility, normally at right angles to the traffic flow.
- (4) Place directional indicator barricades in series to direct traffic onto the new path. The arrow sign should not be visible to opposing traffic.
- (5) Alternating diagonal orange and white striping must slope downward in the direction traffic is expected to pass.

Buffer Space

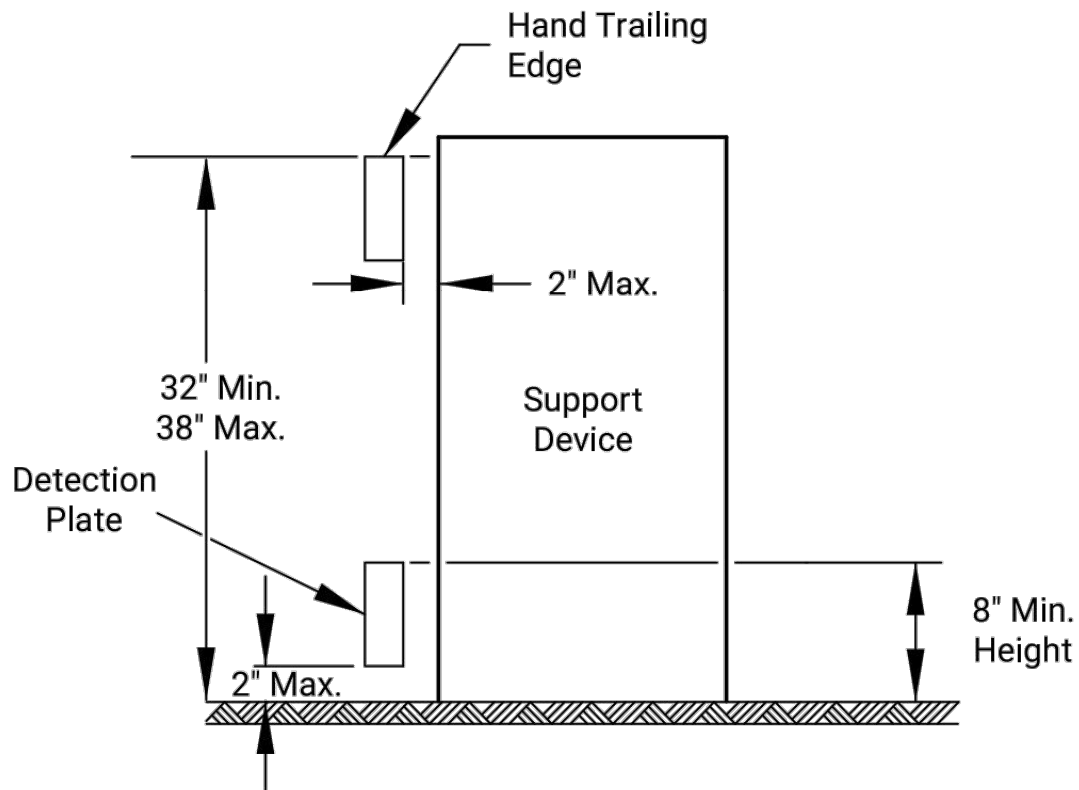
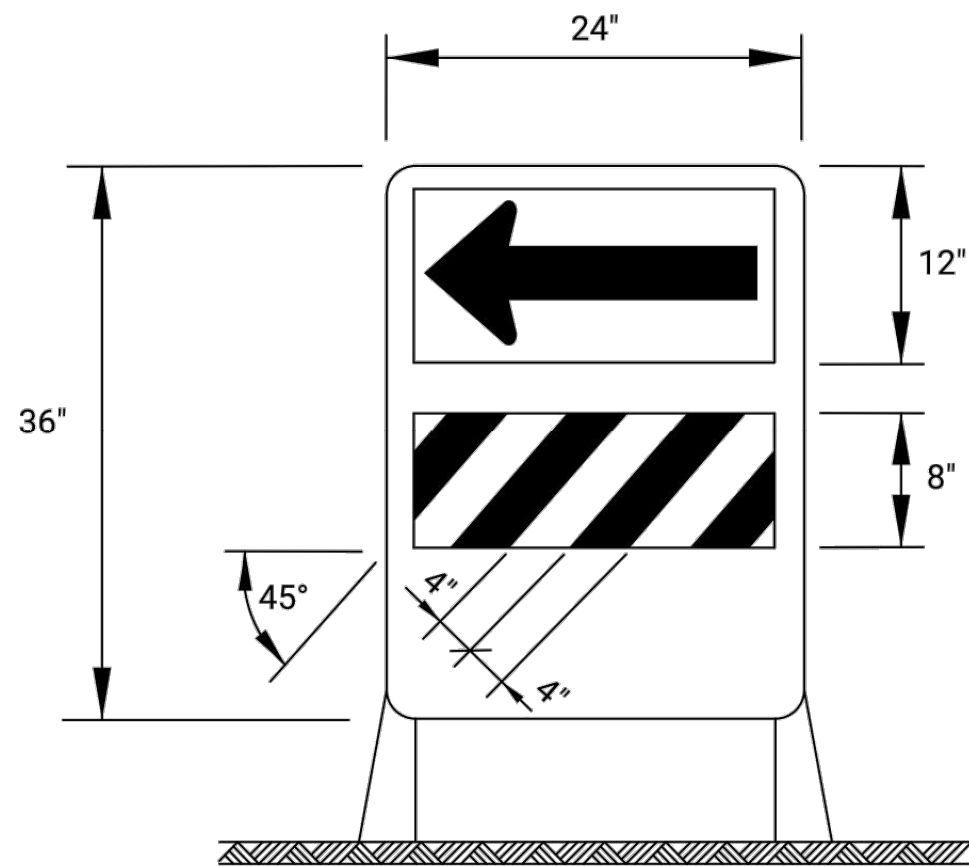
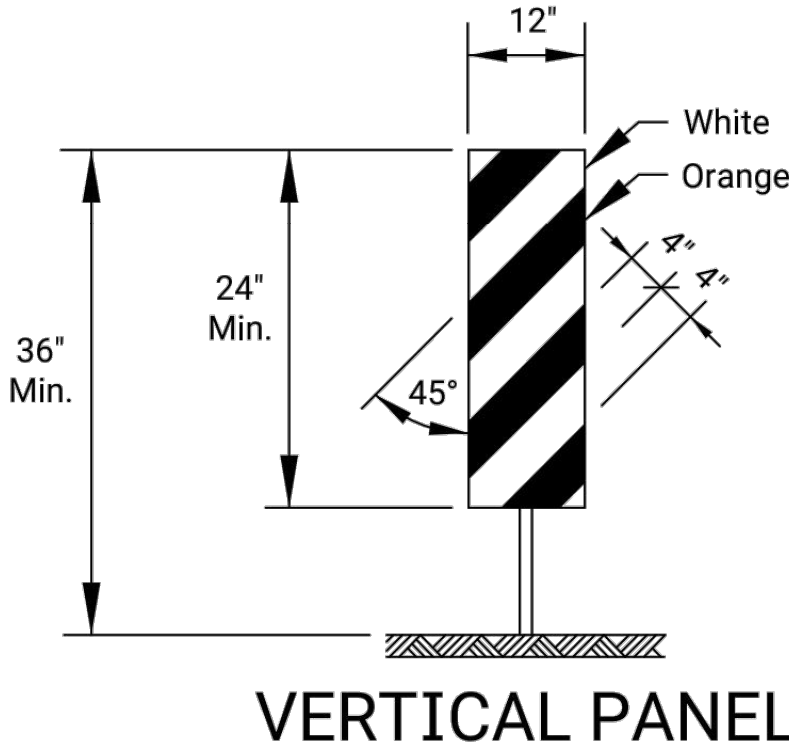
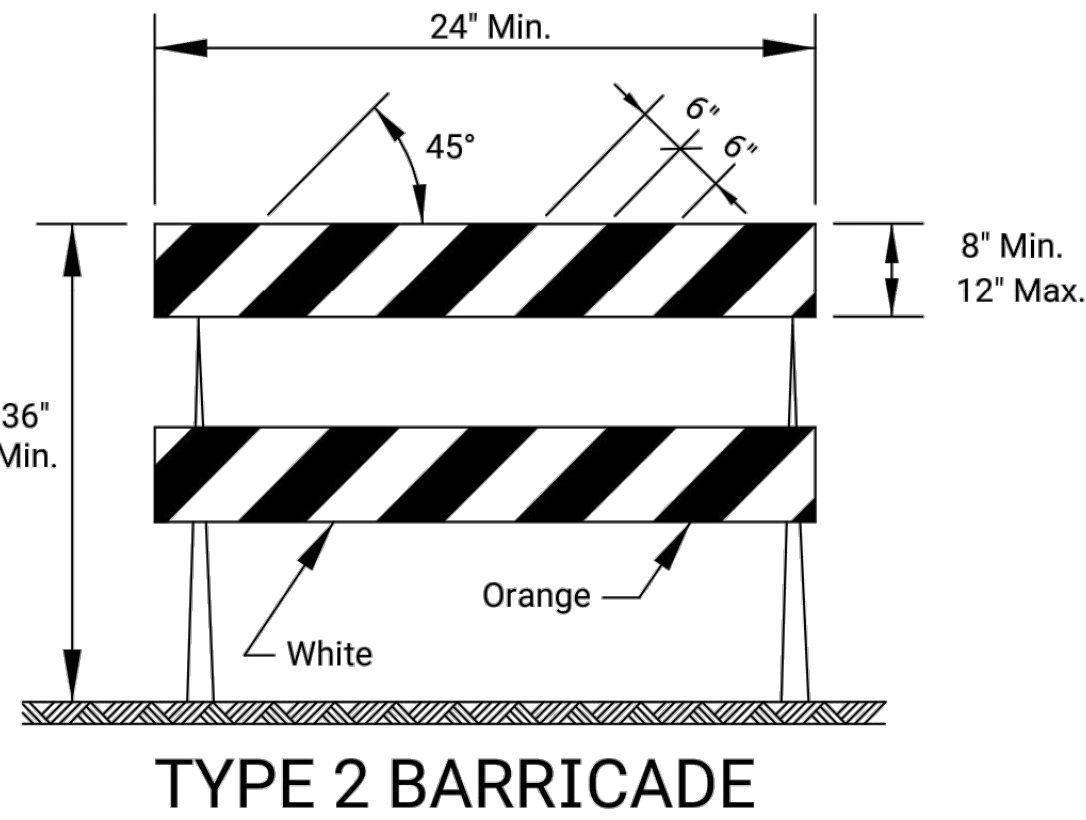
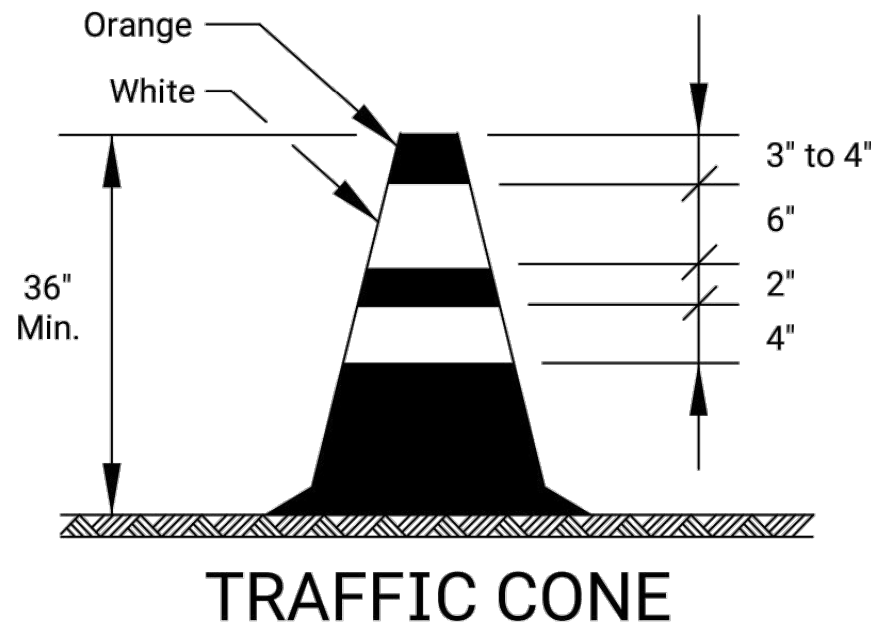
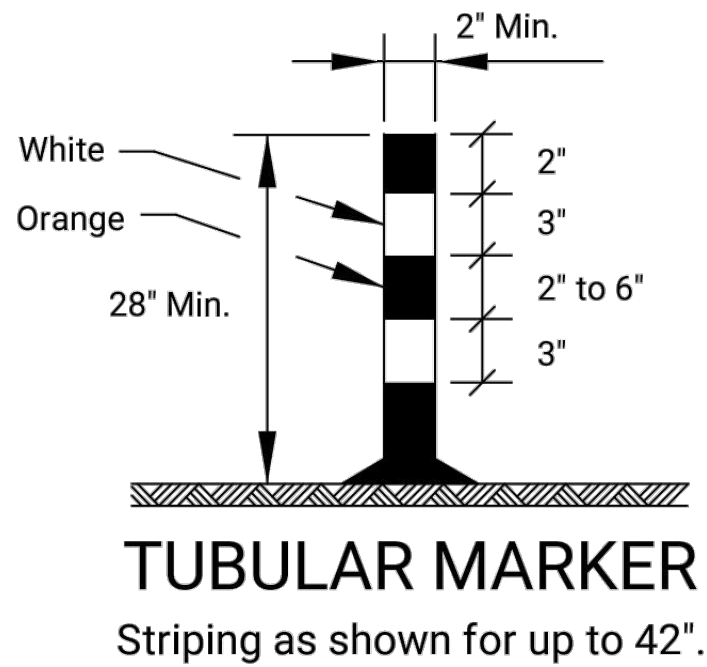
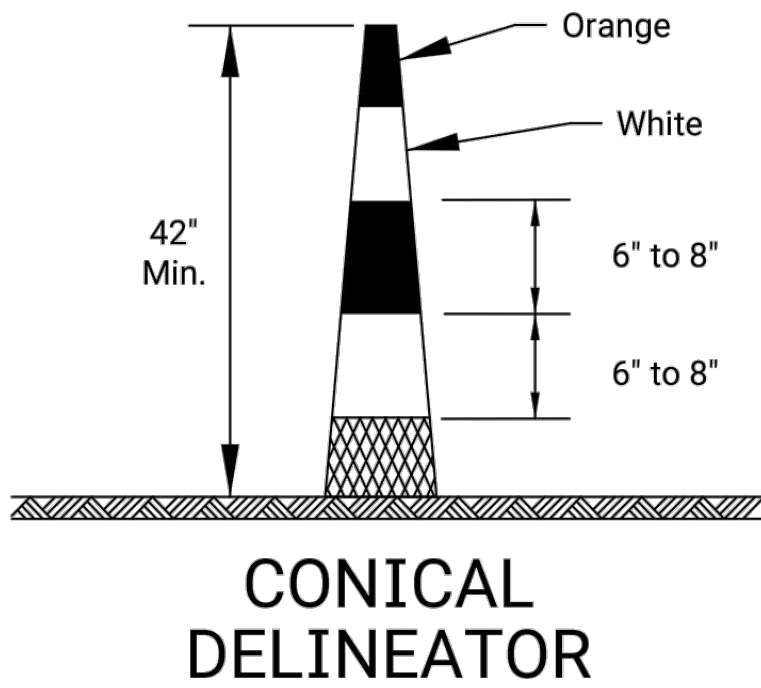
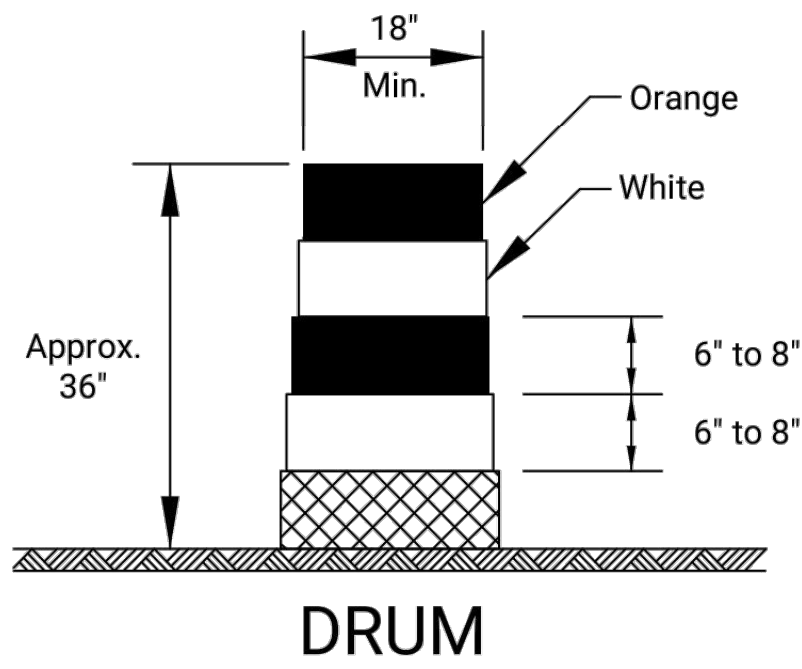
SPEED (MPH) ✱	20	25	30	35	40	45	50	55	60	65	70	75
LENGTH (ft)	115	155	200	250	305	360	425	495	570	645	730	820

- ✱ Posted speed prior to work starting

Neither work activity nor storage of equipment, vehicles, or material should occur in the buffer space. When a protection vehicle is placed in advance of the work space, only the space upstream of the vehicle constitutes the buffer space.

If temporary concrete safety barrier system is used to separate approaching traffic from the work space, the barrier system shall be considered part of the activity area. A full lane width should be available throughout the length of the buffer space. See typical work zone components above.

3				
2	03/13/18	W8-15p usage changed to Shall	R.W.B.	E.G.K.
1	08/18/15	Channelizer spacing info	R.W.B.	K.E.
NO.	DATE	REVISIONS	BY	APPD.
KANSAS DEPARTMENT OF TRANSPORTATION				
TRAFFIC CONTROL GENERAL NOTES				
TE700				
FHWA APPROVAL		03/13/18	APPD	Eric Kocher
DESIGNED	B.A.H.	DETAILED	R.W.B.	QUANTITIES
DESIGN CK.		DETAIL CK.	QUAN. CK.	TRACE CK.



TYPE 2 BARRICADE

For rails less than 36" long, 4" wide stripes may be used.
All stripes shall slope downward to the traffic side for channelization.

VERTICAL PANEL

The stripes shall slope downward to the traffic side for channelization.

DIRECTION INDICATOR BARRICADE

The stripes shall slope downward in the direction traffic is to pass.
The direction indicator barricade shall be used in series to direct the motorist into the intended lane of travel.

PEDESTRIAN CHANNELIZER

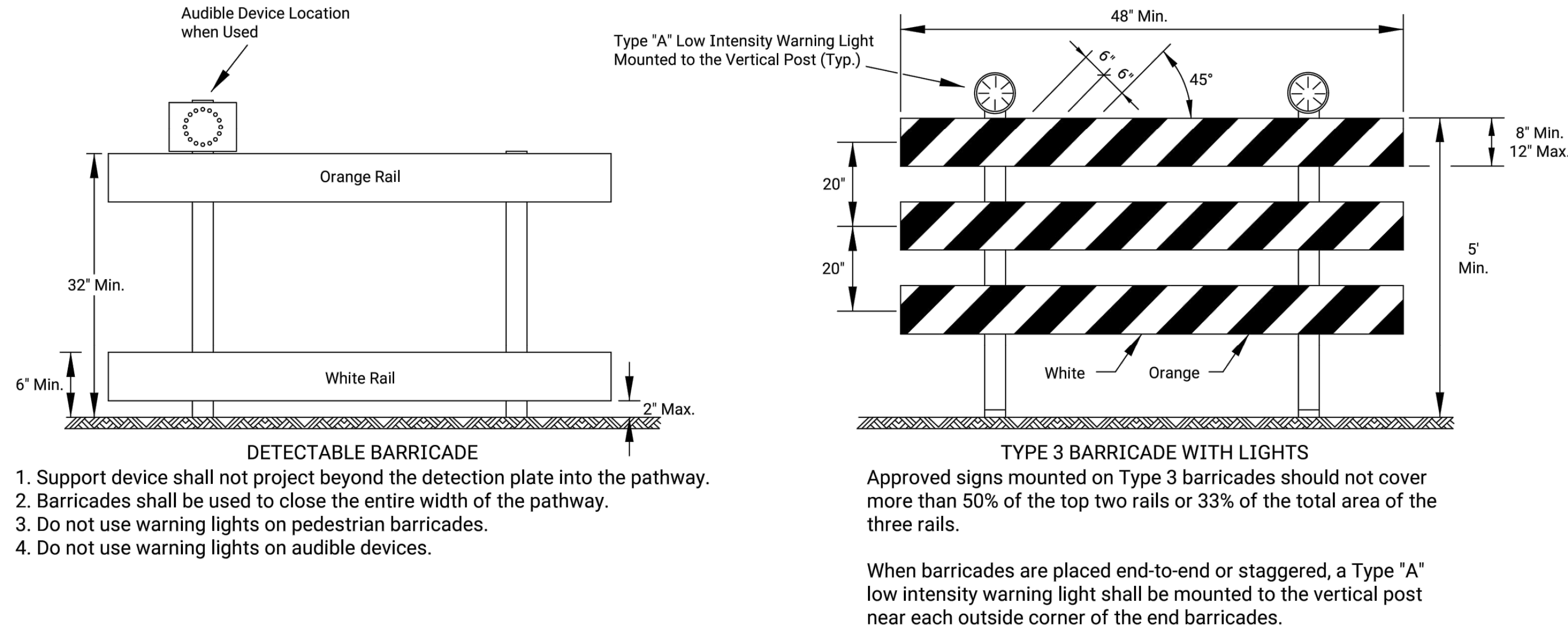
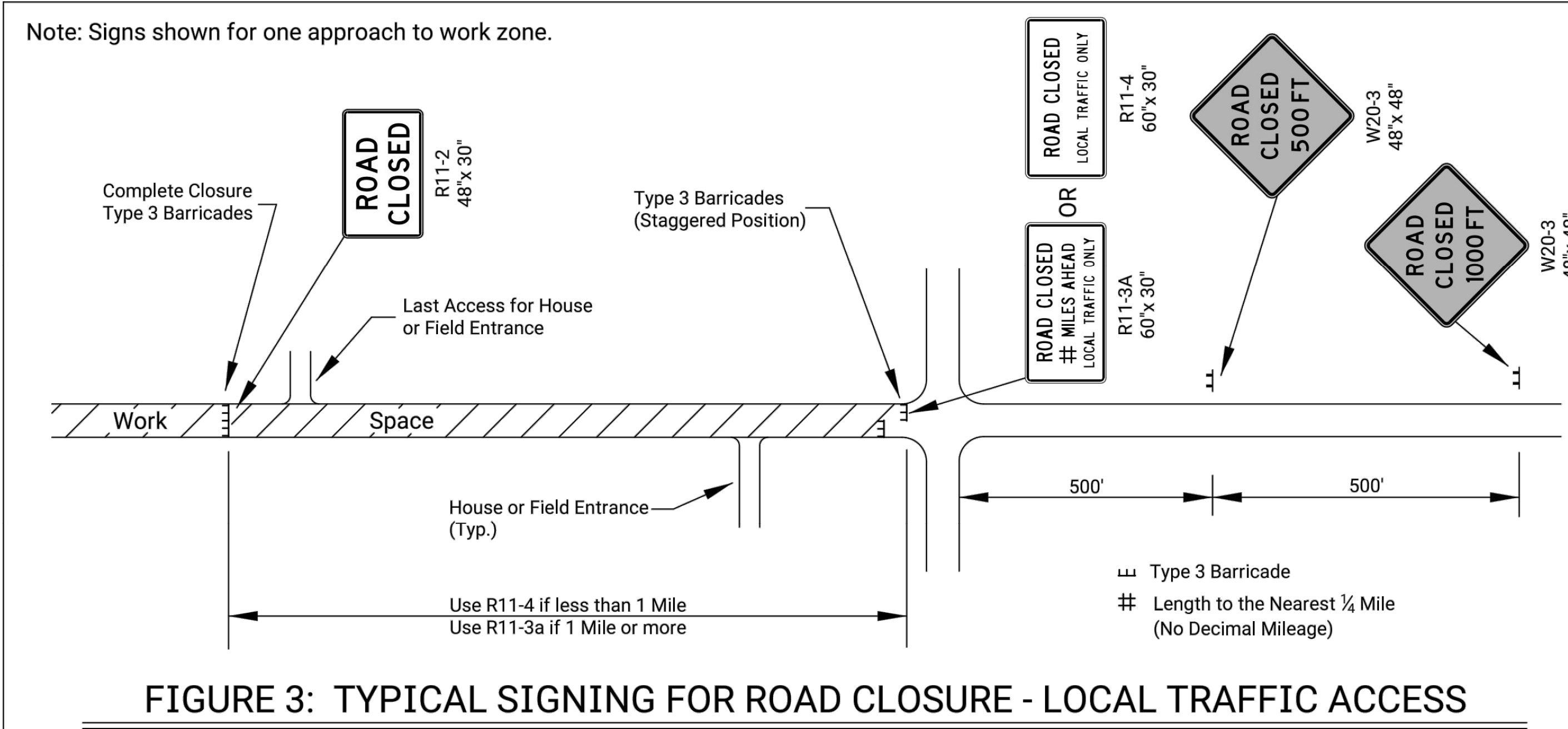
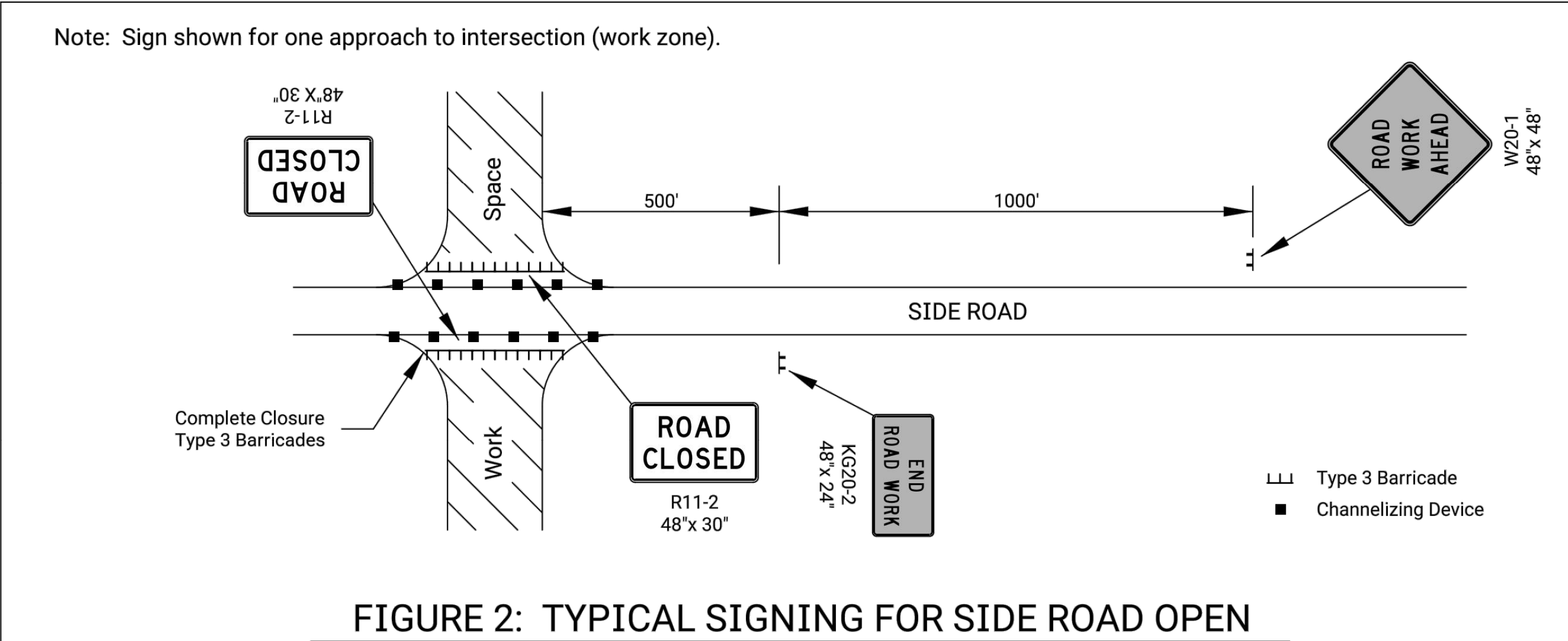
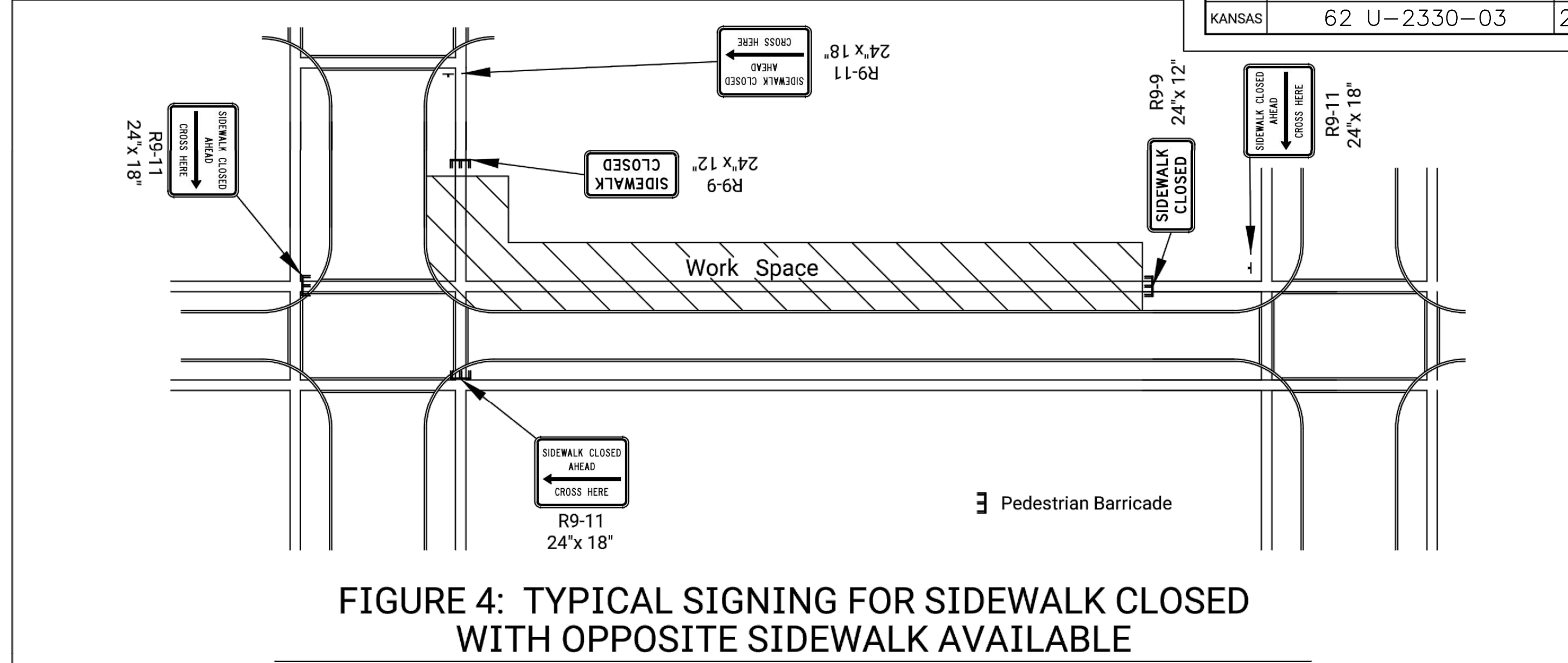
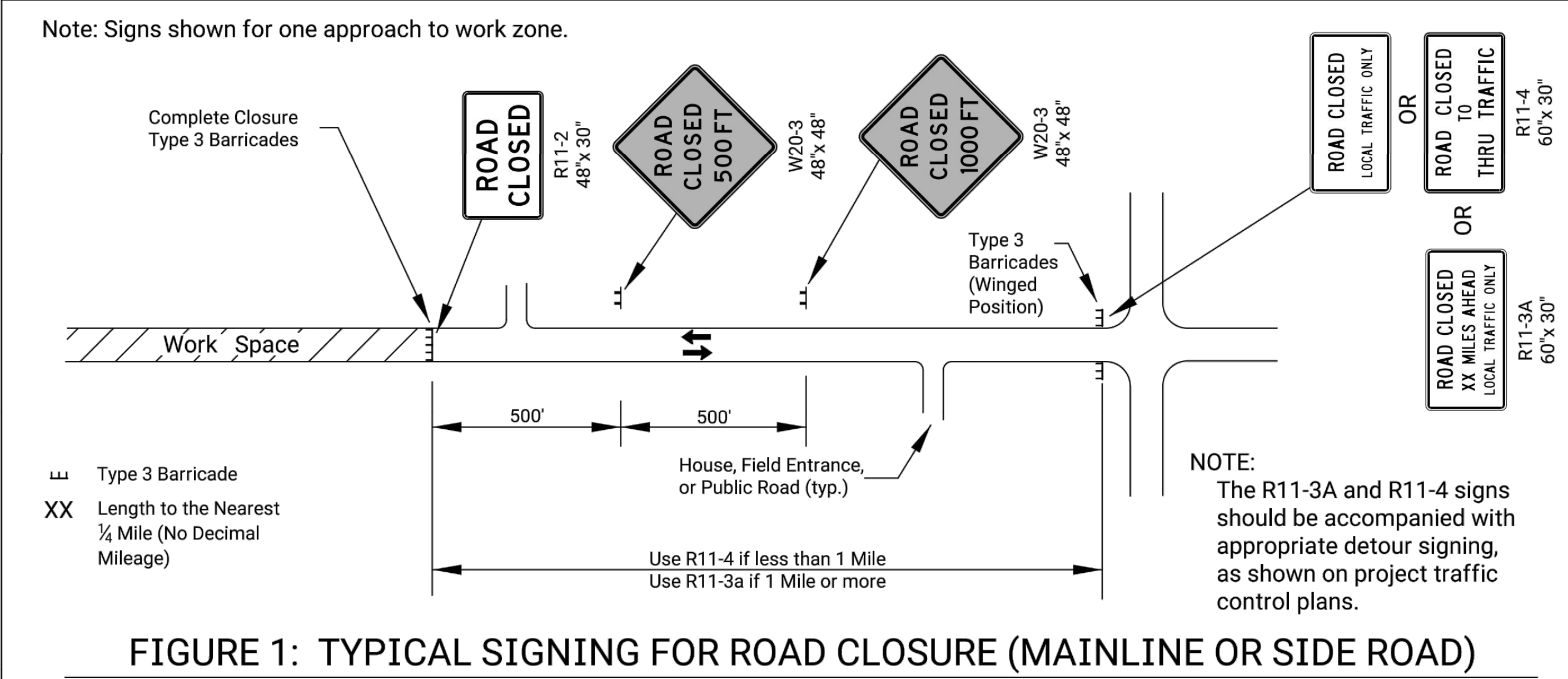
1. Support device shall not project beyond the detection plate into the pathway.
2. Hand trailing edges and detection plates are optional for continuous walls.
3. Interconnect pedestrian channelizers to prevent displacement and to provide continuous guidance through or around work.
4. Alternate pathways shall be firm, stable, and slip resistant.
5. Treat height differentials > 1/2" in the surfaces of alternate paths with a firm, stable, and slip resistant temporary ramp having a slope of 12:1 or flatter and having a width equal to the alternate path.
6. Use alternating orange/white on interconnected devices.

Location		Cross-overs	Shoofly Divisions	Tangents	Tapers	Ramps	Head to Head	Object Identifier	Lead-in Devices	Gores
Portable	Drums	Yes	Yes	Yes	Yes	Yes	(1)	Yes	Yes	Yes
	Conical Delineators	Yes	Yes	Yes	Yes	Yes	(1)	Yes	Yes	Yes
	Vertical Panels	(2)	(2)	(2)	(2)	(2)	(1,2)	Yes	(2)	(2)
	Direction Indicator Barricade	No	No	No	Yes	No	No	No	No	No
	Type 2 Barricade	(2)	(2)	(2)	(2)	No	No	Yes	No	No
	Traffic Cones	No	No	(4)	(4)	(4)	No	(4)	(4)	(4)
Fixed										
	Tubular Markers	(3)	(3)	(3)	No	(3)	Yes	No	Yes	Yes
	Vertical Panels	(3)	(3)	(3)	(3)	(3)	(3)	Yes	(2,3)	(2)

- (1) Not allowed on centerline delineation along freeways or expressways.
- (2) The stripes shall slope downward to the traffic side for channelization.
- (3) May be used upon the approval of the engineer.
- (4) Daytime operations only.

3					
2					
1					
NO.	DATE	REVISIONS	BY	APPD.	
KANSAS DEPARTMENT OF TRANSPORTATION					
TRAFFIC CONTROL CHANNELIZING DEVICES					
TE702					
FHWA APPROVAL 06/01/15 APPD Kristina Erickson					
DESIGNED	L.E.R.	DETAILED	R.W.B.	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.		

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	27	31



ROAD CLOSED GENERAL NOTES

As shown in Figure 1, at the point where thru traffic must detour and local traffic can proceed to the location where the roadway is completely closed, the R11-3a (ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY) or R11-4 (ROAD CLOSED LOCAL TRAFFIC ONLY or ROAD CLOSED TO THRU TRAFFIC) sign shall be used with Type 3 barricades (winged position), placed on the shoulders of roadway.

As shown in Figure 3, when local traffic must be allowed access into the work zone, Type 3 barricades shall be longitudinally staggered to maintain the appearance of a closed roadway. A second line of end-to-end Type 3 barricades shall be placed just beyond the last access point in the work zone, to completely close the roadway.

The R11-4 (ROAD CLOSED TO THRU TRAFFIC or ROAD CLOSED LOCAL TRAFFIC ONLY) sign shall be used when the distance to the point of complete closure of the roadway is less than 1 mile.

The R11-3a (ROAD CLOSED # MILES AHEAD LOCAL TRAFFIC ONLY) sign shall be used when the distance to the point of complete closure of the roadway is 1 mile or greater.

The words "BRIDGE OUT" (or BRIDGE CLOSED) may be substituted for the words "ROAD CLOSED" on the R11-3a or R11-4 sign where applicable.

3					
2					
1					
NO.	DATE	REVISIONS	BY	APP'D	

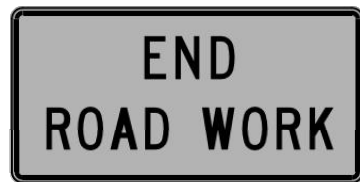
KANSAS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL
CLOSURES**

TE704

HWA APPROVAL		06/01/15	APP'D	Kristina Erickson	
DESIGNED	B.A.H.	DETAILED	R.W.B.	QUANTITIES	TRACED
DESIGN CK.		DETAIL CK.		QUAN. CK.	TRACE CK.

SIGN LAYOUT INFORMATION



KG20-2

Std. Size
Expwy/Freeway
6" C
48"x 24"



KG20-5

Std. Size
Expwy/Freeway
6" C
48"x 24"



KM4-20

Std. Size
3" C
24"x 6"

Expwy/Freeway
6" C
48"x 12"



W7-3a

Mileage to be Determined
by the Engineer.



W8-17

Std. Size
Expwy/Freeway
48"x 48"



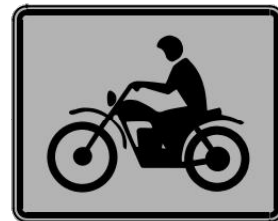
W8-15

Std. Size
Expwy/Freeway
8" D
48"x 48"



W8-7

Std. Size
Expwy/Freeway
8" D
48"x 48"



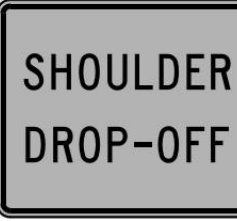
W8-15p

Std. Size
Expwy/Freeway
30"x 24"



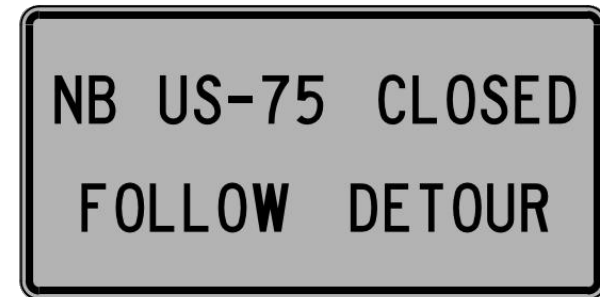
W8-11

Std. Size
Expwy/Freeway
8" D
48"x 48"



W8-17P
(Optional)

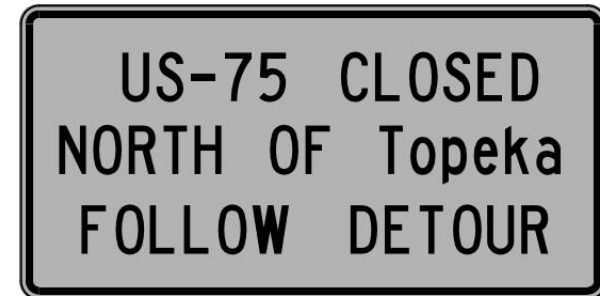
Std. Size
Expwy/Freeway
30"x 24"



SP-01
(Special Sign)

Std. Size
6" C

Expwy/Freeway
10" D

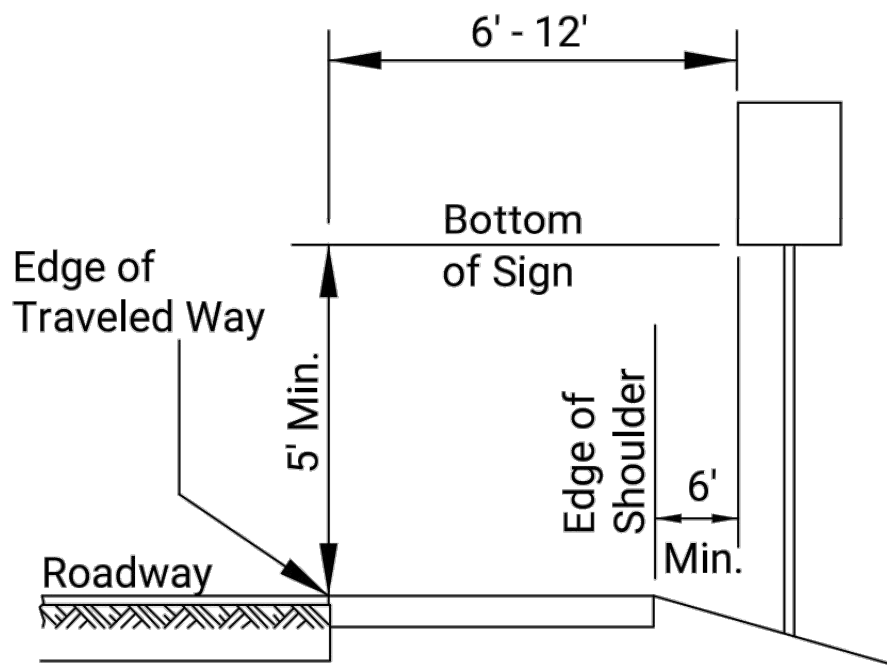


SP-02
(Special Sign)

Std. Size
Uppercase: 6" C
Lowercase: 4.5" C

Expwy/Freeway
Uppercase: 10" D
Lowercase: 8" D

All city names and street names on special signs and destination signs
must have upper and lower case letters.

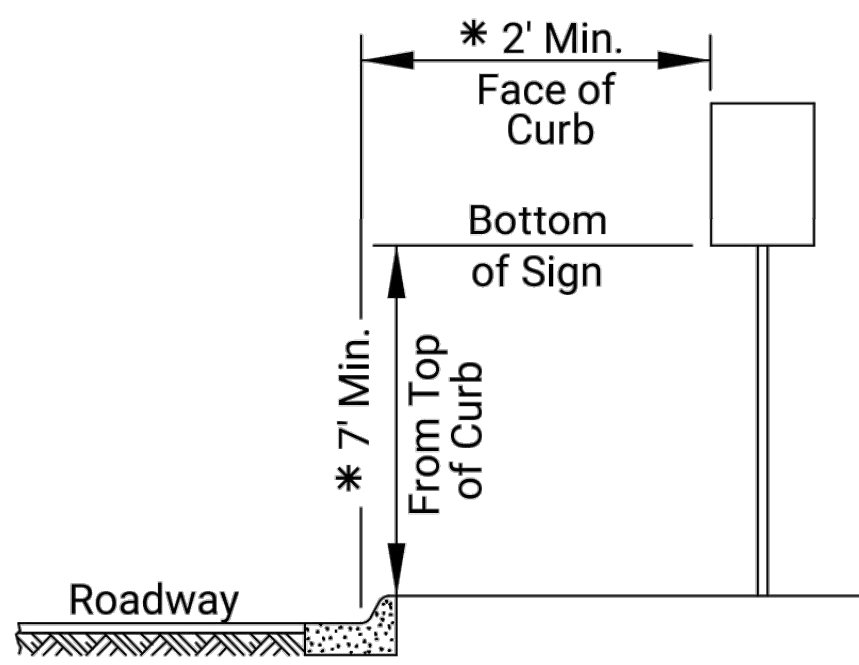


RURAL

1) Ground-mounted signs shall be mounted at a minimum height of 5' measured from the bottom of sign to the near edge of the pavement.

2) Large signs having an area exceeding 50 square feet installed on multiple breakaway posts shall be mounted a minimum of 7' above the ground.

3) The height of the secondary sign mounted below another sign may be 4' measured from the bottom of the sign to the near edge of the pavement. Signs shall not overlap each other.



URBAN

1) Signs shall be mounted at a minimum height of 7' measured from the bottom of sign to the near edge of the pavement.

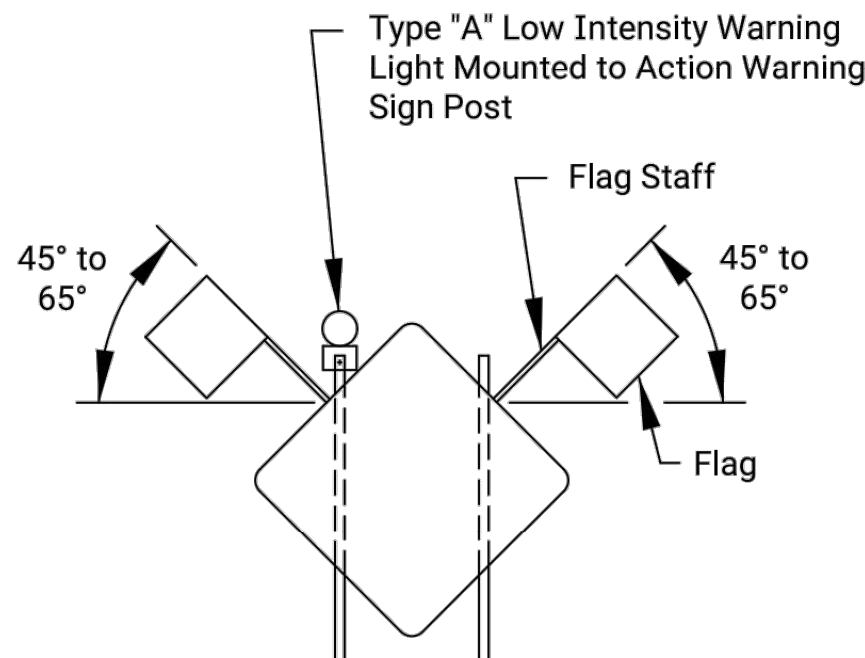
2) Neither portable nor permanent sign supports should be located on sidewalks or areas designated for pedestrian or bicycle traffic.

3) Signs mounted lower than 7' should not project more than 4" into pedestrian facilities.

4) The height from of the secondary sign mounted below another sign may be 6' measured from the bottom of sign to the near edge of the pavement. Signs shall not overlap each other.

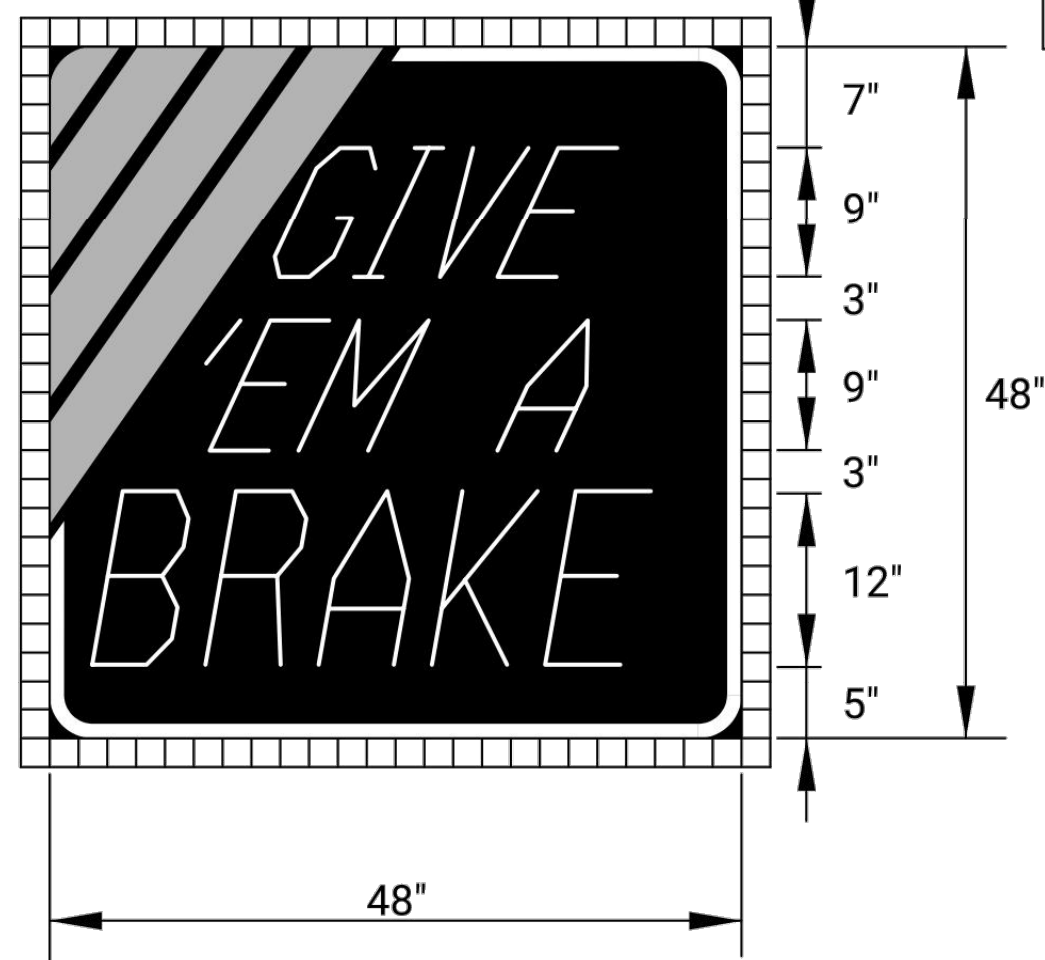
5) Large signs having an area exceeding 50 square feet installed on multiple breakaway posts shall be mounted a minimum of 7' above the ground.

* 6) Pedestrian detour signing shall be a minimum of 2' measured from the top of the pedestrian pathway to the bottom of the sign and shall not protrude into the walkway nor shall it project beyond the back of curb.

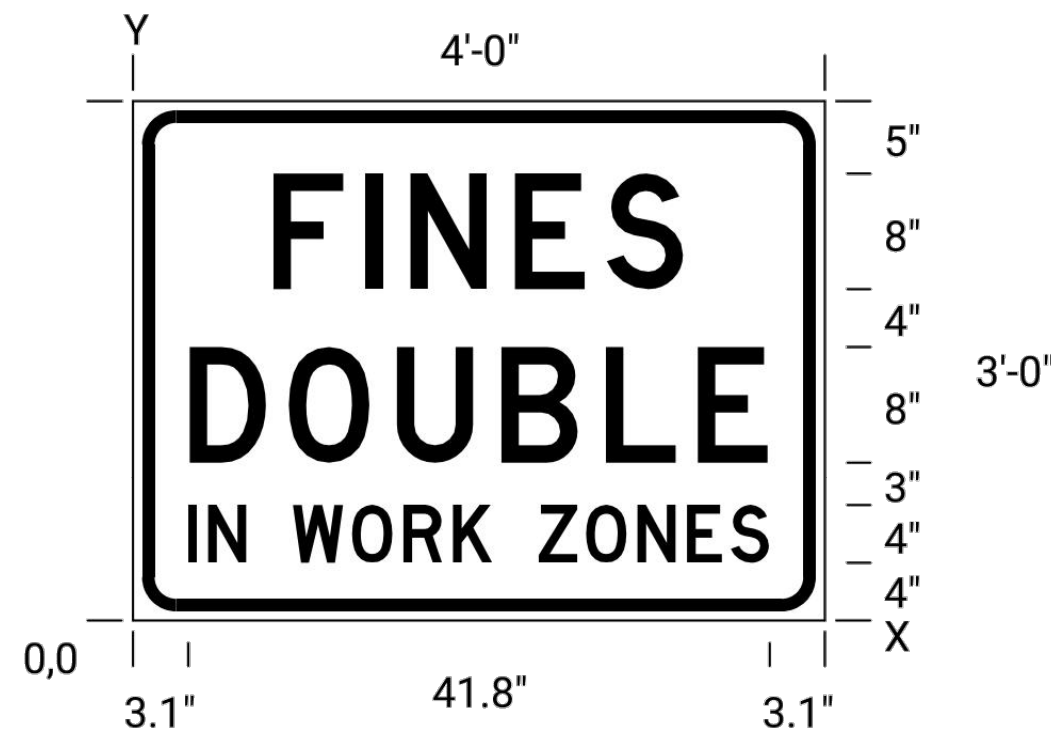


When the sign width is equal to or greater than 9', three or more wood posts may be used with a minimum of 4' between the centerline of each post. All signs less than 9' in width shall use a maximum of two wood posts.

In the case of hitting rock when driving posts
1. Shift the sign location. Do not violate minimum sign spacing.
2. With the engineer's approval, use acceptable alternative sign stands.



KI-104a



KI-105a

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	28	31

Sign Number	GIVE EM A BRAKE
Width x Height	4'-0" x 4'-0"
Border Width	1.0"
Corner Radius	4.0"
Stripe Width	3.0"
Mounting	Ground
Background	Type: Non-Reflective Color: Black
Legend/Border	Type: Reflective Color: White
Legend Font	Dutch 801 Roman SWC 25 Degree Slant
Stripes	Type: Reflective Color: Orange

Sign Number	FINES DOUBLE
Width x Height	4'-0" x 3'-0"
Border Width	0.9"
Corner Radius	3.0"
Mounting	Ground
Background	Type: Reflective Color: White
Legend/Border	Type: Non-Reflective Color: Black

Dimensions in inches

Spacings are to start of next letter

Y FONT	LETTER SPACINGS																HT LEN
23.0 D	X	F	I	N	E	S	X										8.0
	9.7	6.4	3.2	7.3	6.4	5.4	9.7										28.6
11.0 D	X	D	O	U	B	L	E	X									8.0
	3.9	6.9	7.5	7.3	6.4	4.9	3.9										40.3
4.0 D	X	I	N	X	W	O	R	K	X	Z	O	N	E	S	X		4.0
	3.1	1.6	2.7	3.2	4.3	3.8	3.6	2.8	3.2	3.4	3.8	3.6	3.2	2.7	3.1		41.8

Notes:

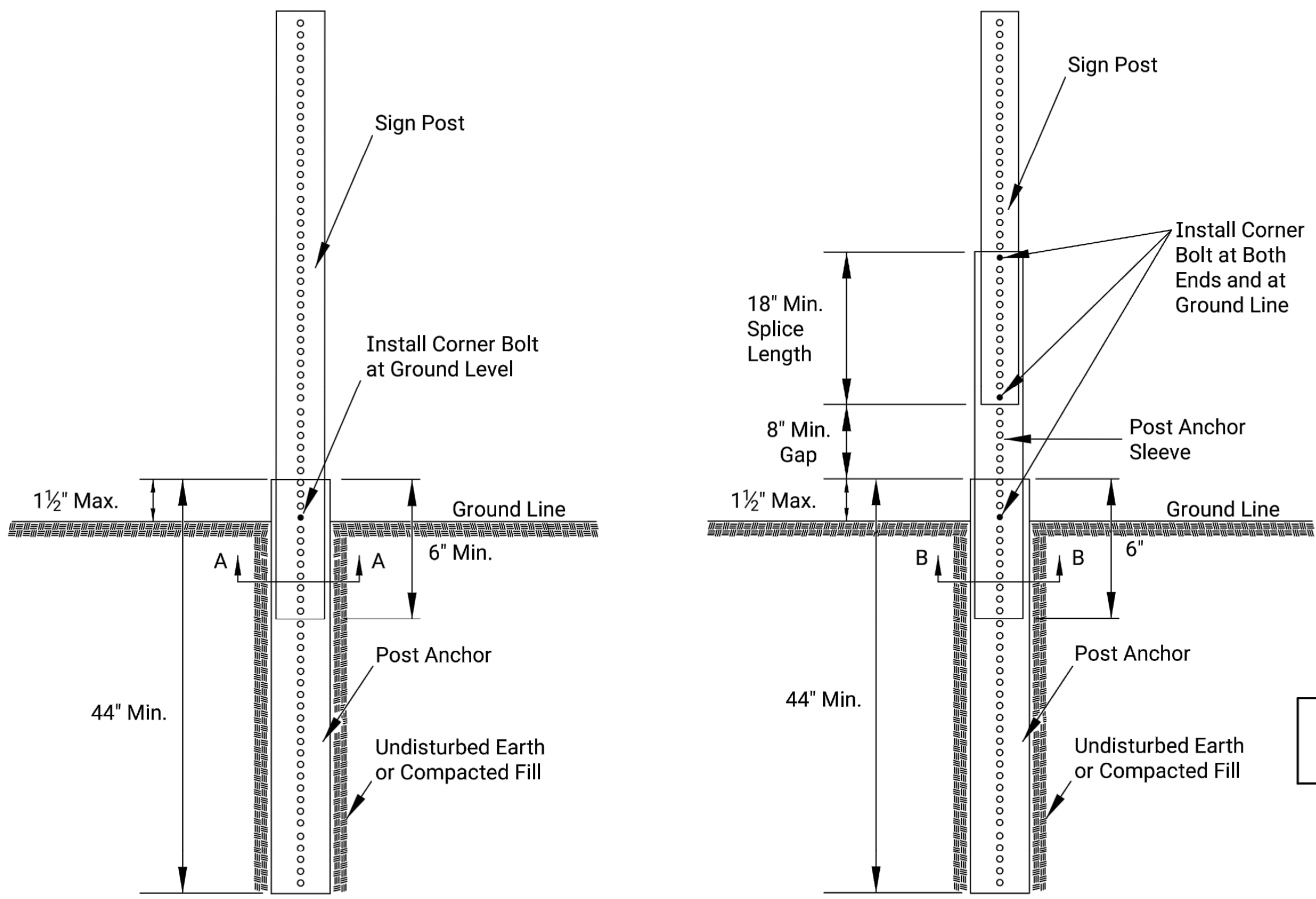
Typically, there are two sets of informational signs installed per project: one for each direction of traffic.

Install signs a minimum of 500' in advance of the road work ahead sign. The engineer may designate a more appropriate location if conditions dictate.

The informational signs are not to interfere with the traffic control signs for the project.

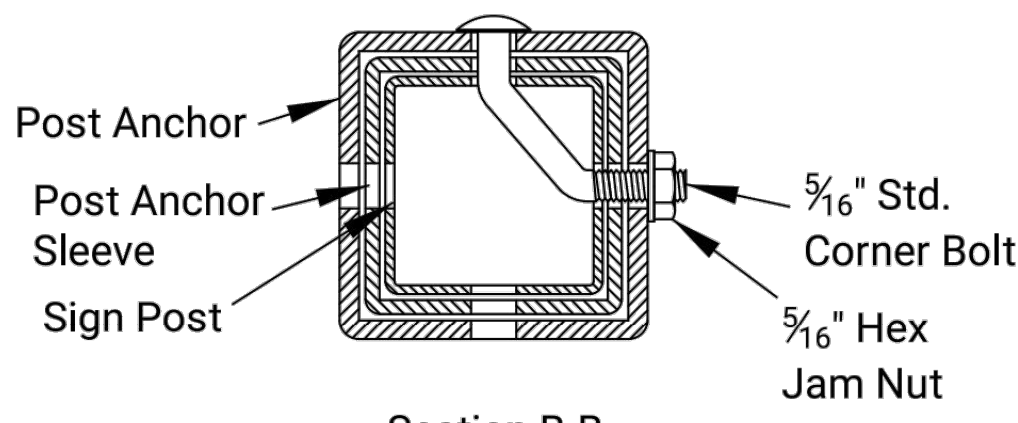
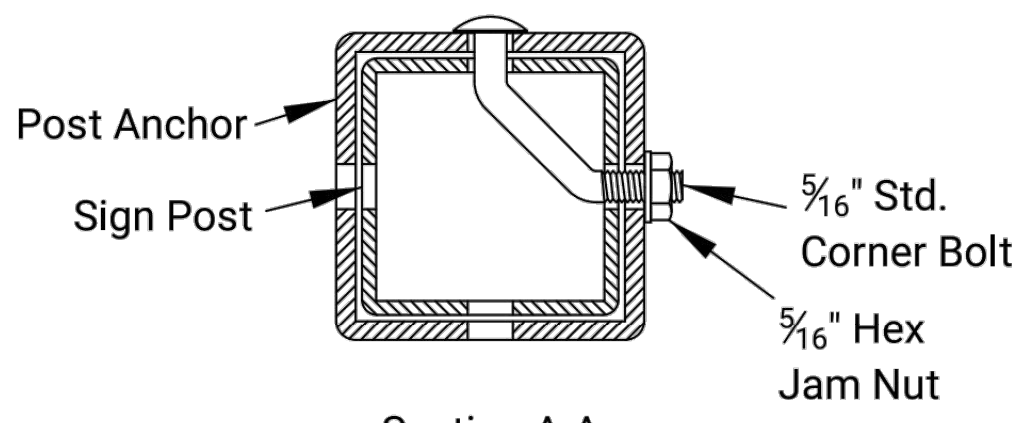
3					
2					
1					
NO.	DATE	REVISIONS			BY APPD
KANSAS DEPARTMENT OF TRANSPORTATION					
TRAFFIC CONTROL SIGN INFORMATION					
TE710					
FHWA APPROVAL		06/01/15	APPD	Kristina Pyle	
DESIGNED	R.W.B.	DETAILED	R.W.B.	QUANTITIES	TRACED
DESIGN CK.		DETAIL CK.		QUAN. CK.	TRACE CK.

PERFORATED SQUARE STEEL TUBE (P.S.S.T.) POST SETUP



P.S.S.T. Detail

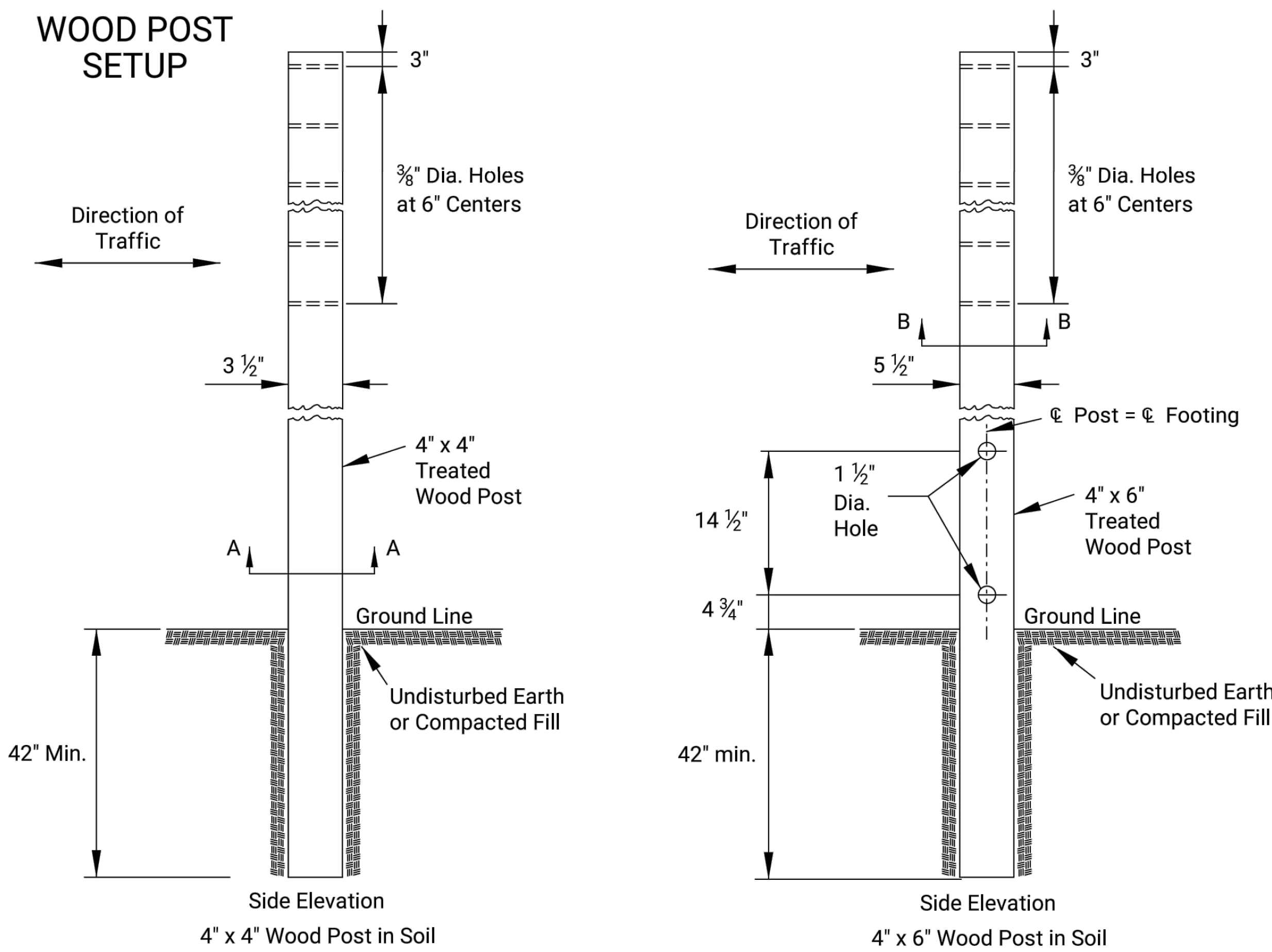
Telescoping P.S.S.T. Detail



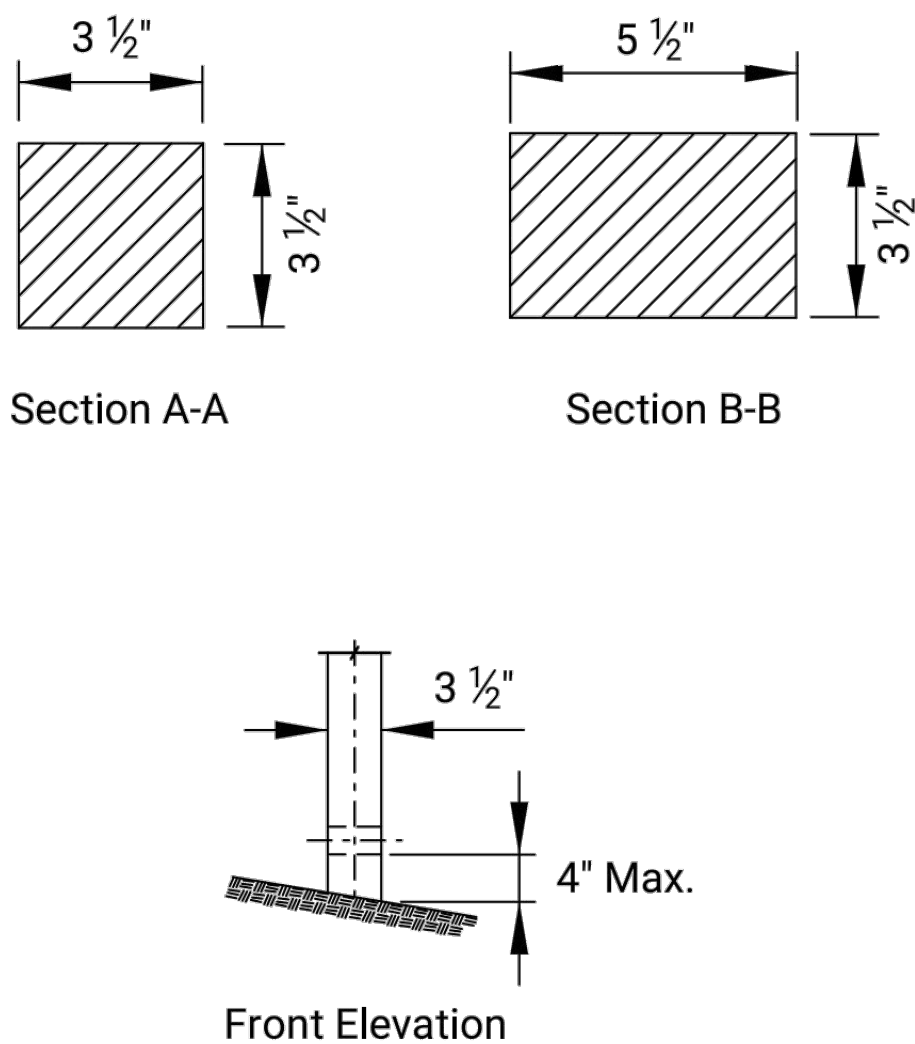
Details for 2", 2 1/4", or 2 1/2" sign posts

Place bolts in the same corner along each sign post.

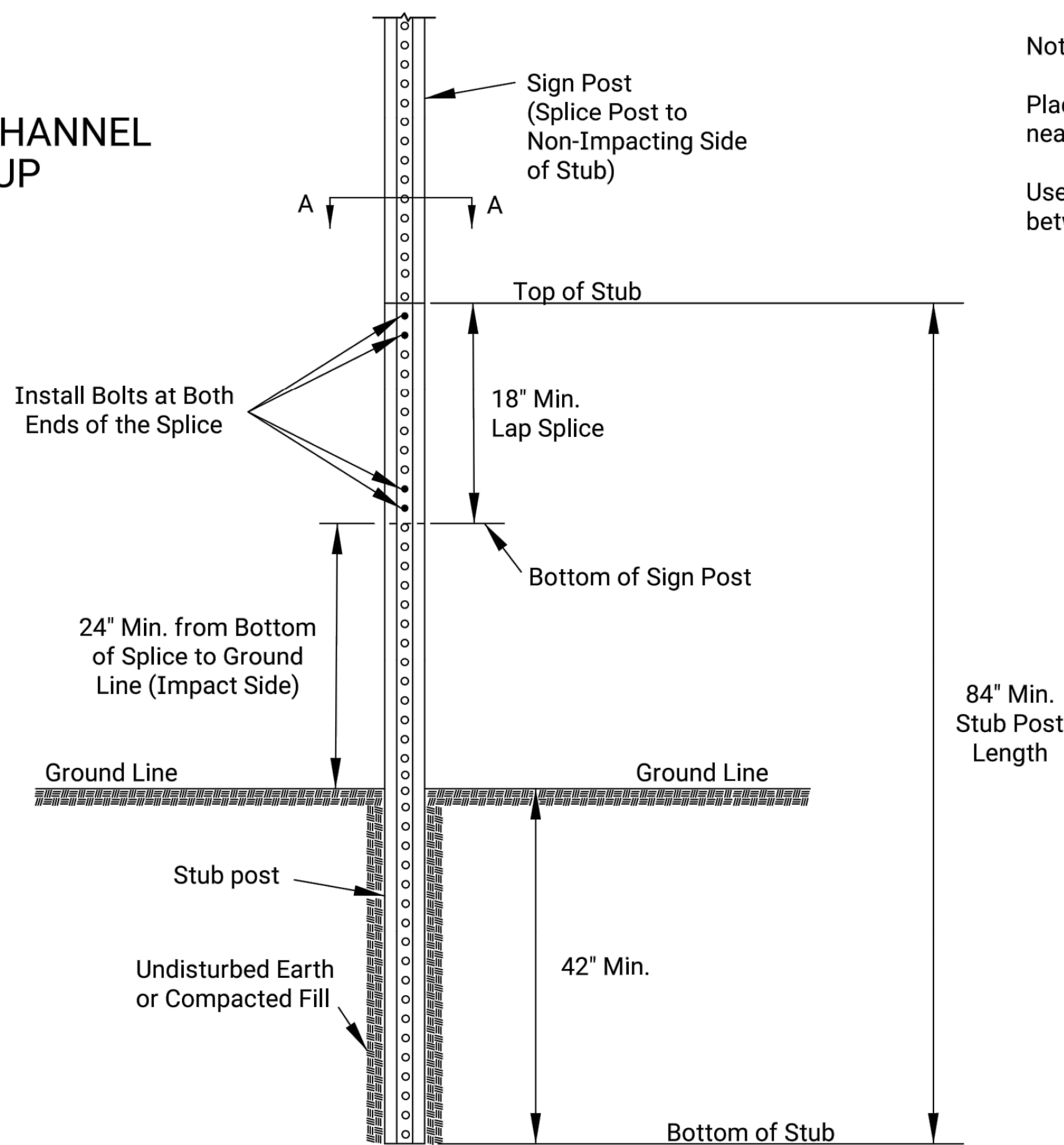
WOOD POST SETUP



See TE710 for Additional Details and Requirements



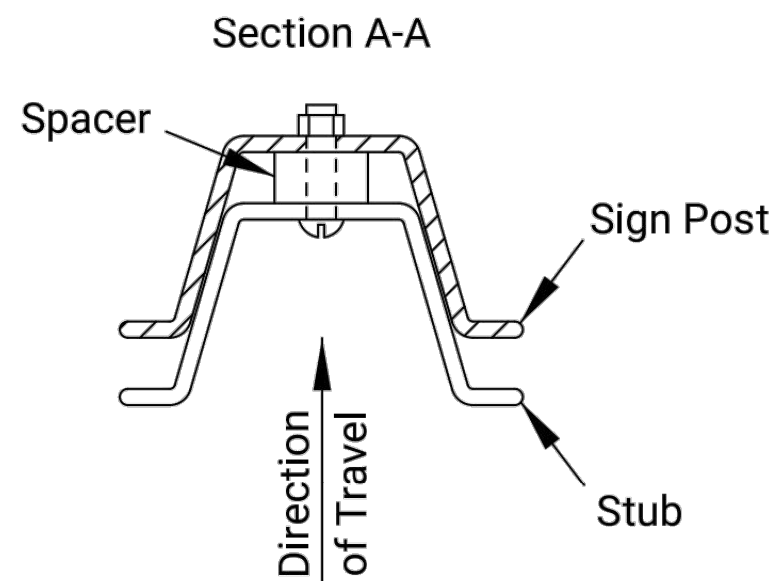
3 LB/F U-CHANNEL SETUP



Notes:

Place two bolts at both ends of the splice through the holes nearest the ends of the splice.

Use manufacturer recommended spacers over the bolts between the spliced pieces of U-Channel.



3					
2					
1					
NO.	DATE	REVISIONS	BY	APPD.	
KANSAS DEPARTMENT OF TRANSPORTATION					
TRAFFIC CONTROL SIGN POSTS					
TE712					
DESIGNED	B.A.H.	DETAILED	R.W.B.	QUANTITIES	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.	TRACE CK.		

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	62 U-2330-03	2021	31	31

SUMMARY OF TRAFFIC CONTROL DEVICES (EACH)

[illegible]

SUMMARY OF TRAFFIC CONTROL DEVICES (EACH PER DAY)

* Quantity most used on the project at any one time

[illegible]

Barricades *		Channelizing Devices *		
Type 3 (4' to 12')	Pedestrian	Fixed	Portable	Pedestrian
6	8		150	

Lighted Devices *	
Work Zone Warning Light (Type "A" Low Intensity)	
Work Zone Warning Light (Red Type "B" High Intensity)	
Arrow Display	2
Portable Changeable Message Sign	

[illegible]

3				
2				
1				
NO.	DATE	REVISIONS	BY	APPD
<p align="center">KANSAS DEPARTMENT OF TRANSPORTATION</p> <p align="center">TRAFFIC CONTROL</p> <p align="center">SUMMARY OF DEVICES</p> <p align="center">RECAPITULATION OF QUANTITIES</p> <p>TE795</p>				
FHWA APPROVAL		06/01/15	APPD Kristina Erickson	
DESIGNED	B.A.H.	DETAILED	R.W.B.	QUANTITIES
DESIGN CK.	DETAIL CK.		QUAN. CK.	TRACE CK.